STEREO INTEGRATED AMPLIFIER

A-56/76

SERVICE MANUAL

KENWOOD

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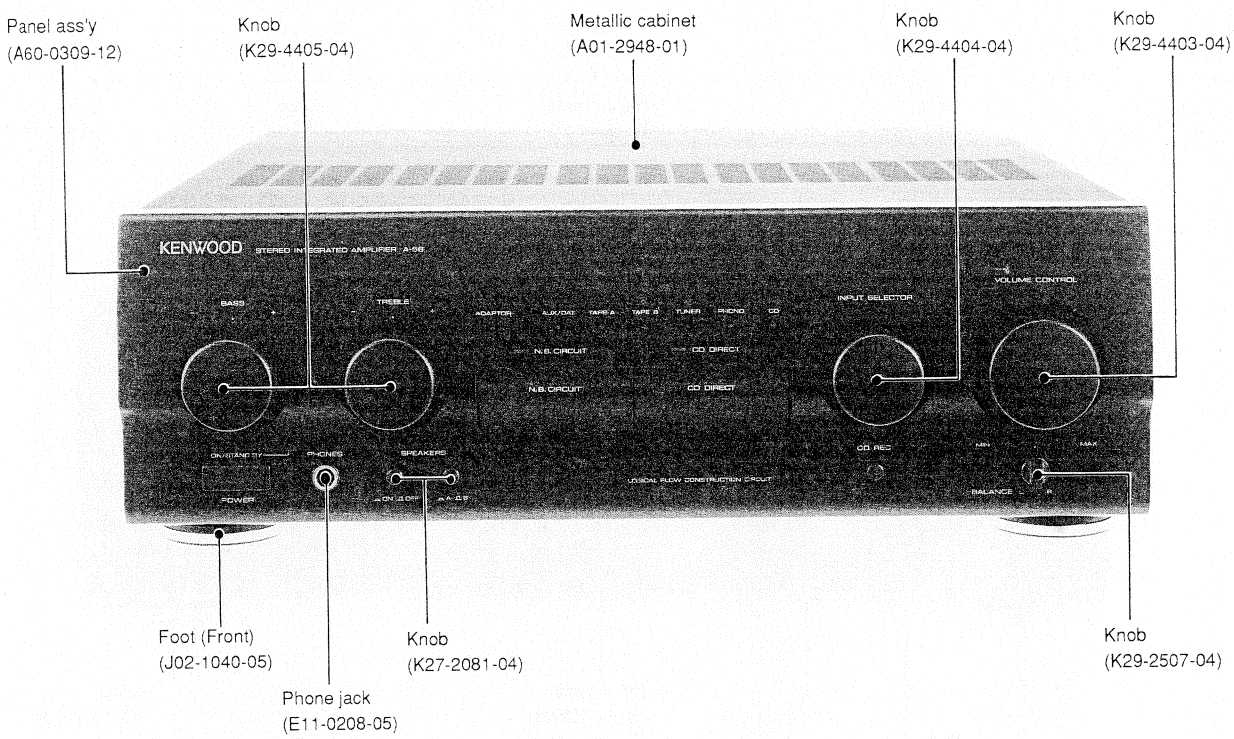
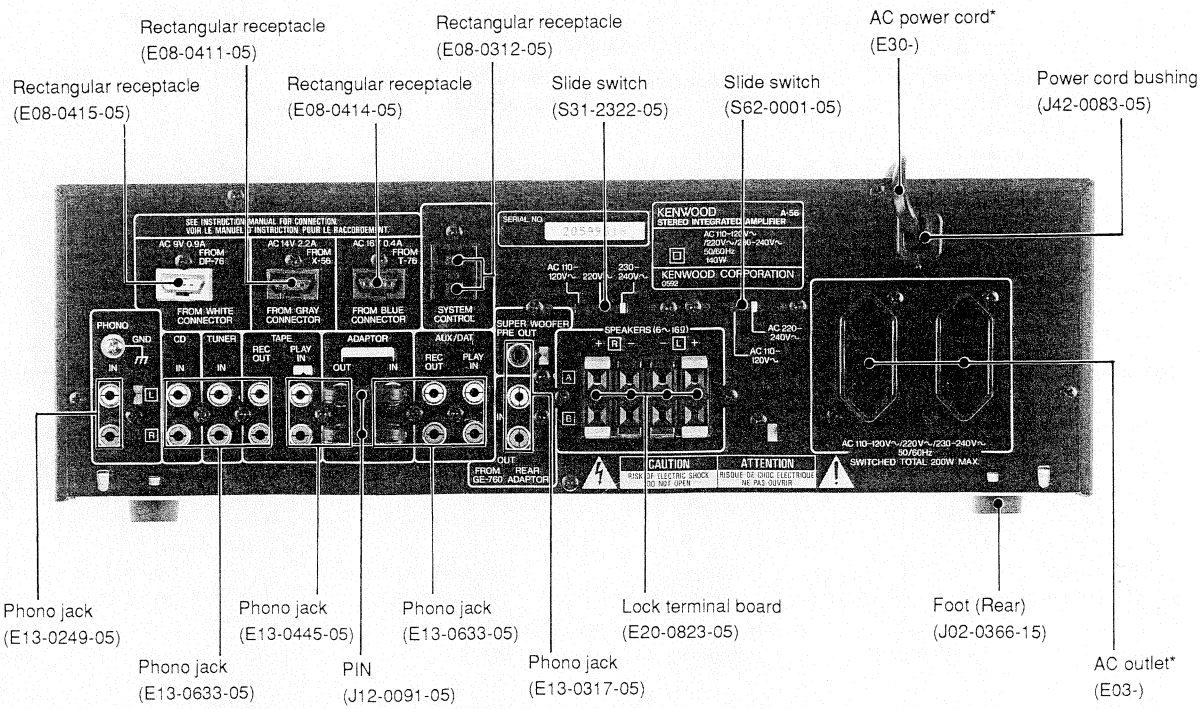
B51-4549-00 (B) 2365

[A-56]





* Refer to Parts list on page 28.

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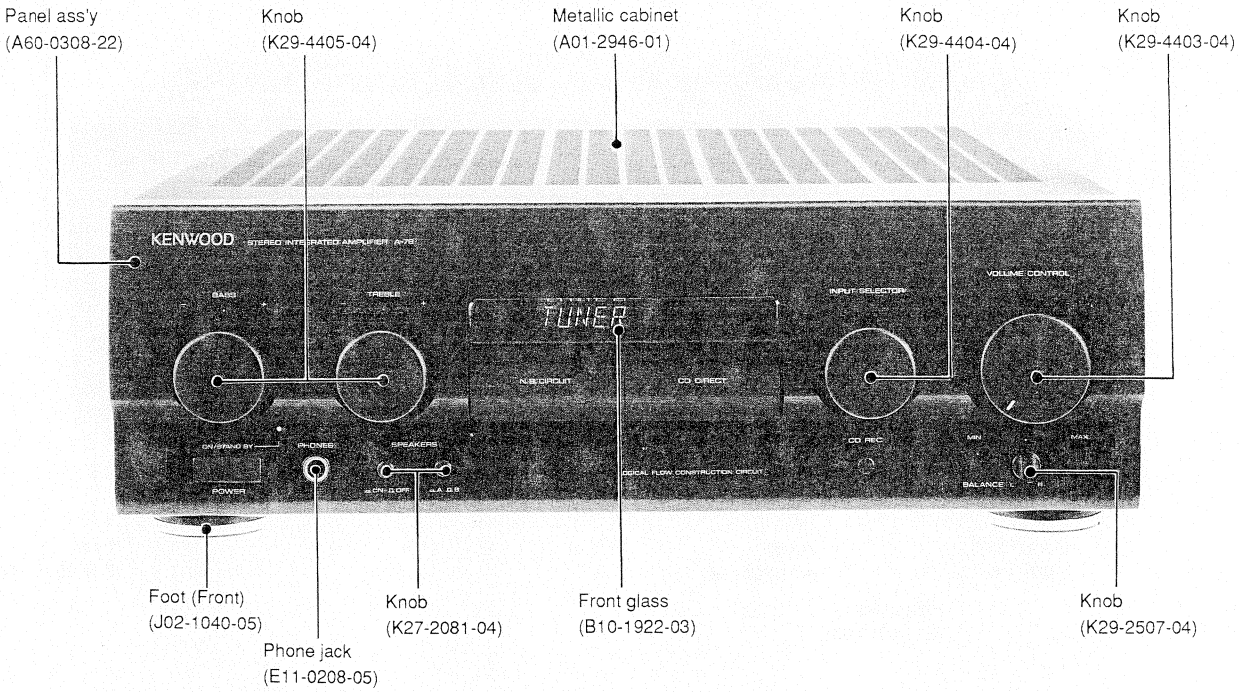
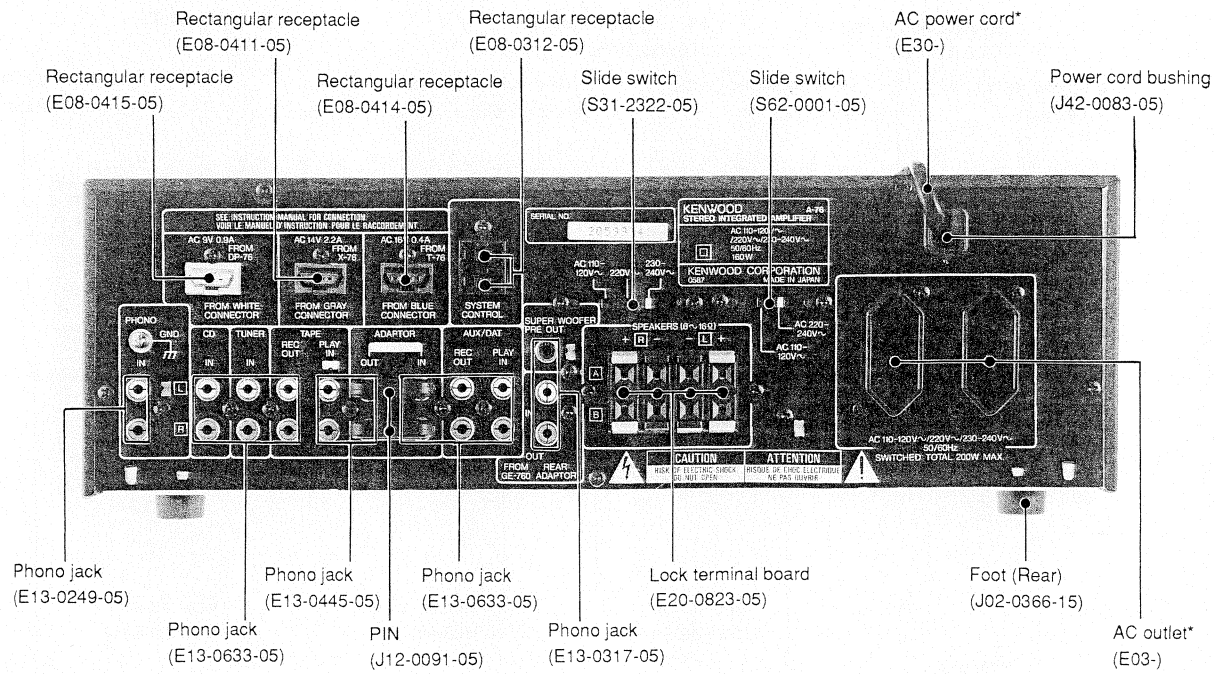
[A-76]

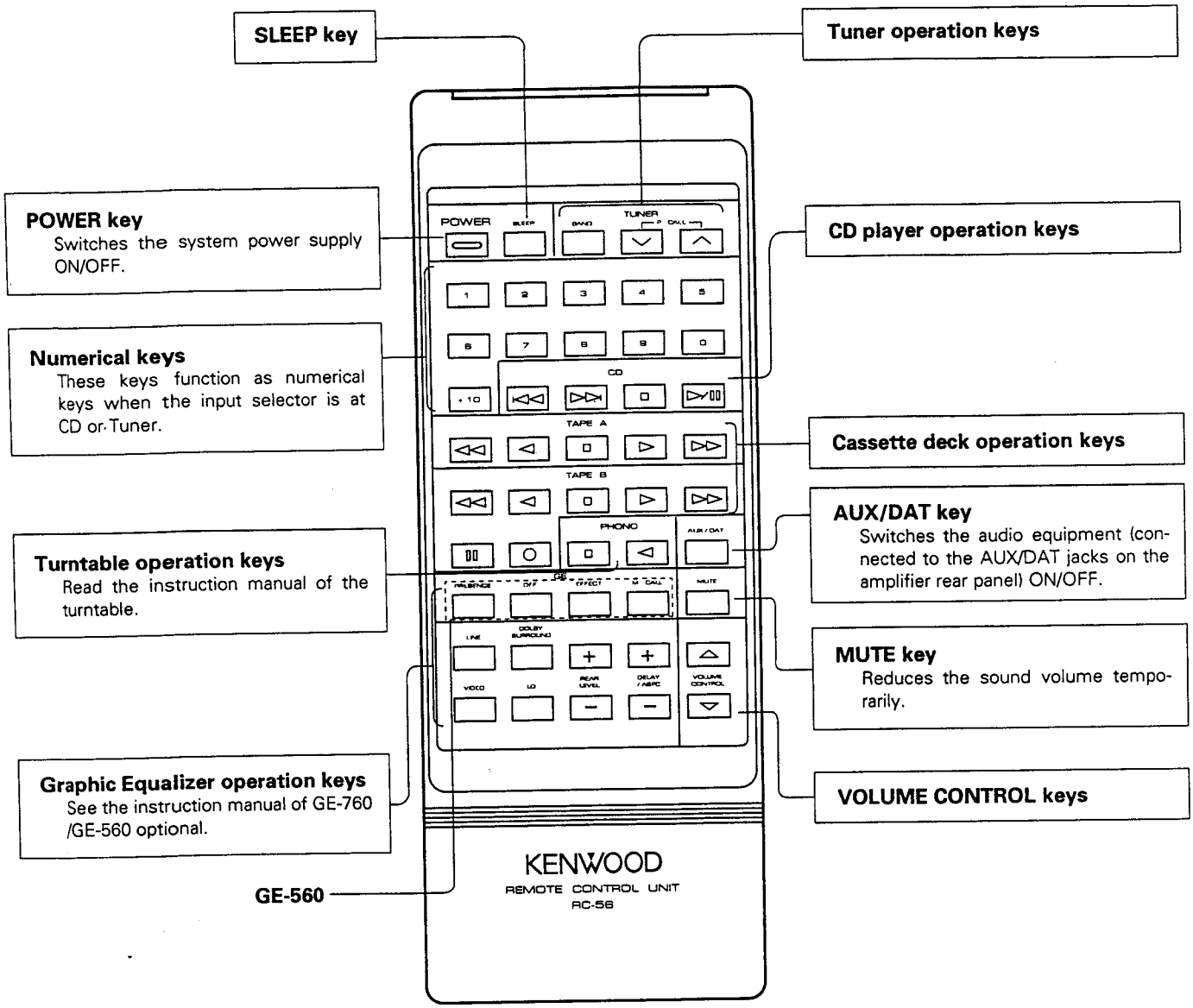




* Refer to Parts list on page 28.

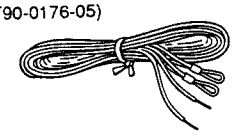
REMOTE CONTROL OPERATION

RC-56 (A70-0599-05)
(A09-0104-08): Battery cover

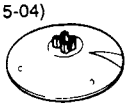

SLEEP key
Tuner operation keys
POWER key
Switches the system power supply ON/OFF.
CD player operation keys
Numerical keys
These keys function as numerical keys when the input selector is at CD or Tuner.
Cassette deck operation keys
AUX/DAT key
Switches the audio equipment (connected to the AUX/DAT jacks on the amplifier rear panel) ON/OFF.
Turntable operation keys
Read the instruction manual of the turntable.
MUTE key
Reduces the sound volume temporarily.
Graphic Equalizer operation keys
See the instruction manual of GE-760 /GE-560 optional.
VOLUME CONTROL keys
GE-560
KENWOOD
REMOTE CONTROL UNIT
RC-56

Accessories

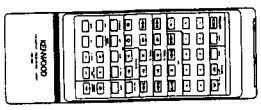
T-type (FM) feeder antenna 1
(T90-0176-05)



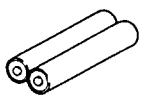
Antenna stand 1
(J19-2815-04)



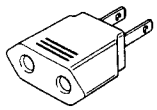
Remote control unit 1



Battery (AA/R6) 2

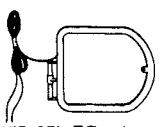


AC plug adaptor 1
(except for some areas)
(E03-0115-05)



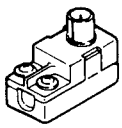
For the unit with a European AC plug in areas other than Europe.

Loop antenna 1
(T90-0173-05): M, X, T, E



(T90-0153-05): EF only

Antenna adaptor
(75 Ω/300 Ω) 1



(T90-0185-05)

System control cord 2

(E30-2627-05)
(E30-2628-05)

Audio cords 4

(E30-0505-05)
(E30-0615-05)x3

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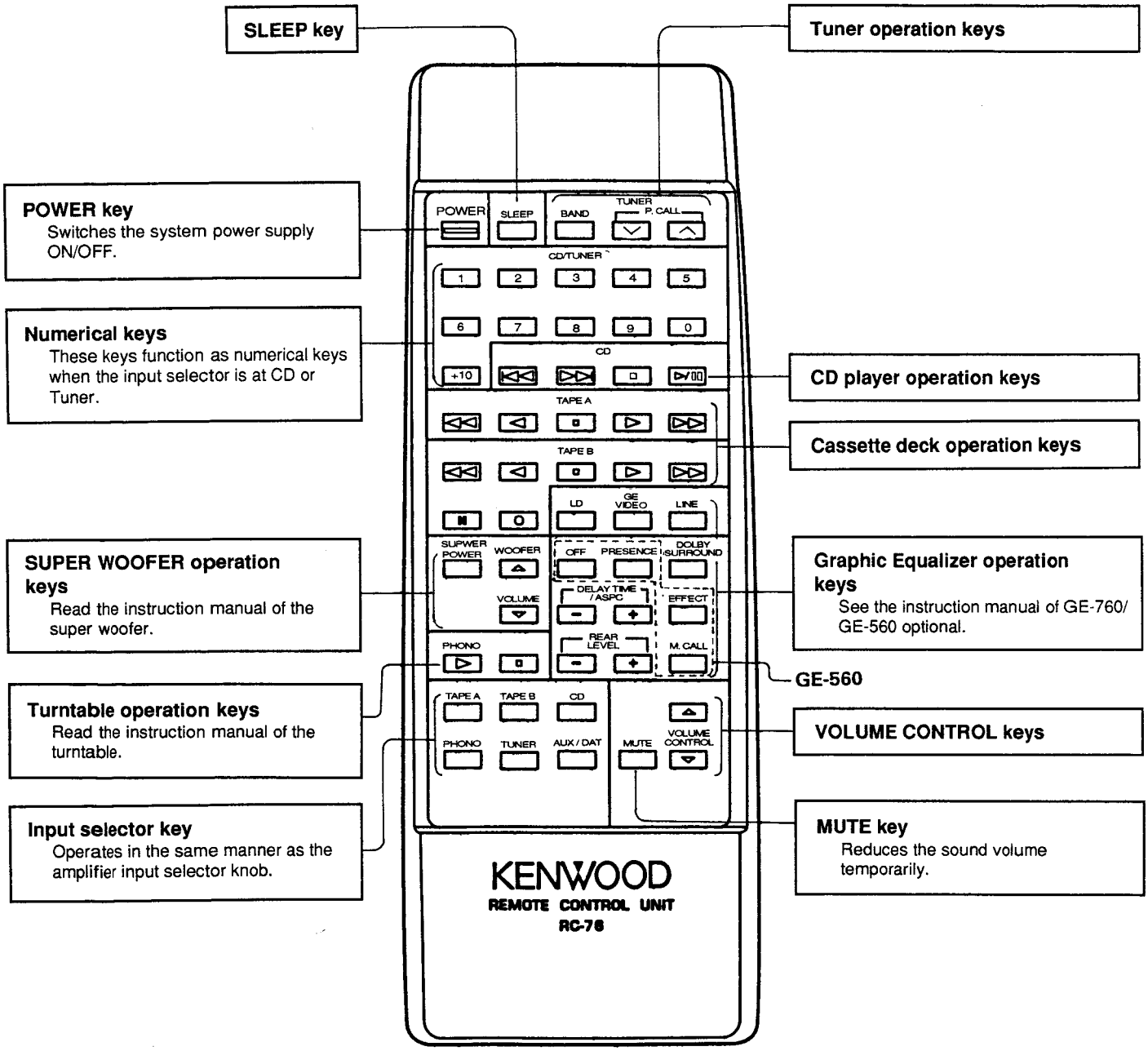
REMOTE CONTROL OPERATION

RC-76 (A70-0598-05)
(A09-0106-08): Battery cover



KA-56 and KA-76 is same of the operation manual.

OPERATION MANUAL

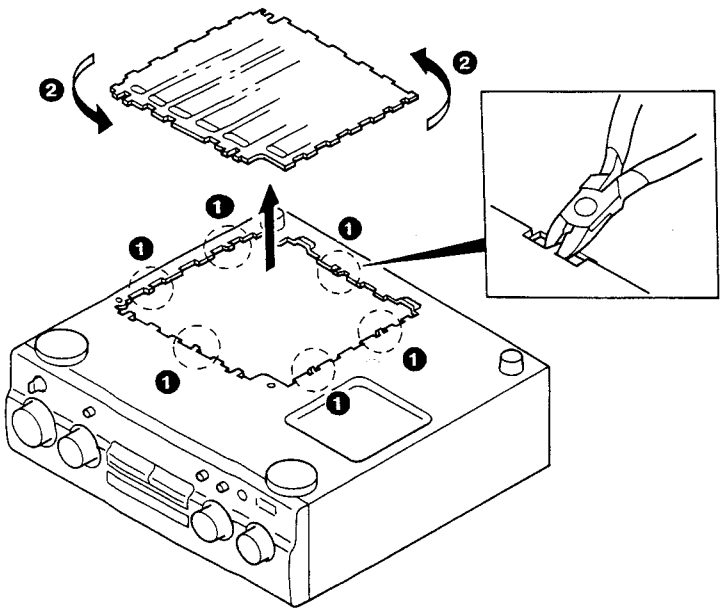
B60-0862-00	ENGLISH	E, T
B60-0863-00	FRENCH	E
B60-0864-00	DUTCH	E
B60-0865-00	SPANISH	E
B60-0866-00	CHINESE	M

B60-0969-00	GERMAN	E
B60-0970-00	ITALIAN	E
B60-0971-00	ENGLISH	M, X
B60-0975-00	SPANISH	M

DISASSEMBLY FOR REPAIR / UNIT LIST

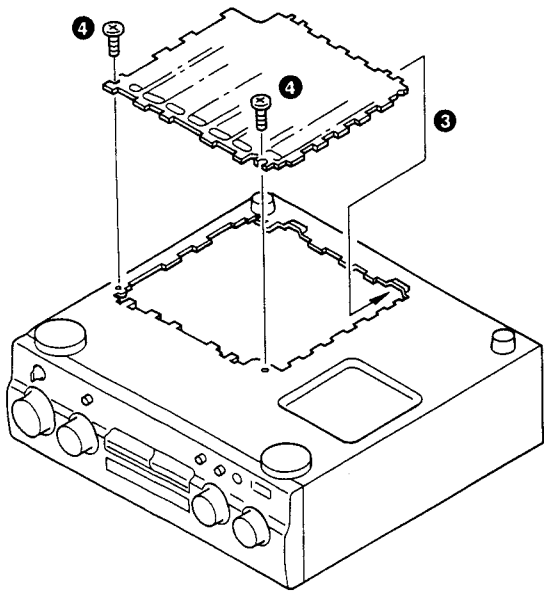
How to remove the repairing chassis

1 Cut the 6 parts ❶ of the repairing chassis. Remove the repairing chassis from main chassis.



After repair

2 Turn the repairing chassis 180 degrees in the arrow direction ❷.
3 Insert the 2 claws ❸ into main chassis.
4 Look to the main chassis by 2 screws (M3 x 6) ❹.



Unit list

Audio unit

Unit No.	Destination
X09-3630-21	A-76 M (S)
X09-3630-22	A-56 M (S)
X09-3630-23	A-76 M (J)
X09-3632-70	A-76 X, T, E (S)
X09-3632-71	A-56 X, T, E (S)
X09-3632-72	A-76 X, T, E (J)

Control unit

X11-3300-21	A-56 M (S)
X11-3300-51	A-56 T (S)
X11-3300-71	A-56 X (S)
X11-3302-70	A-56 E (S)
X11-3320-21	A-76 M (J)
X11-3320-51	A-76 T (J)
X11-3320-71	A-76 X (J)
X11-3322-70	A-76 E (J)
X11-3340-21	A-76 M (S)
X11-3340-51	A-76 T (S)
X11-3340-71	A-76 X (S)
X11-3342-70	A-76 E (S)

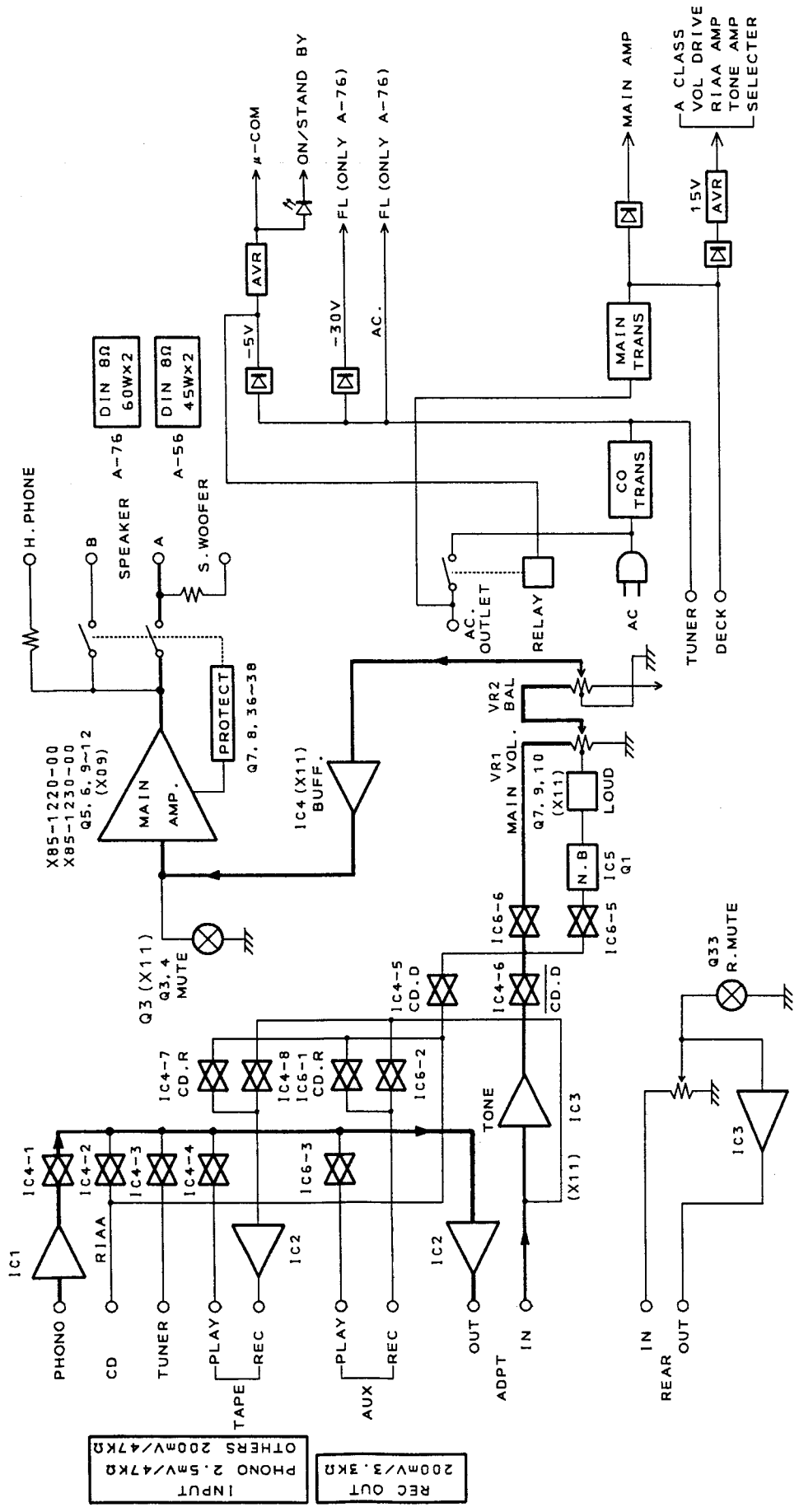
Main amplifier unit

X85-1220-00	A-76 X, T, E (J)
X85-1220-01	A-76 M (J)
X85-1230-00	A-76 X, T, E (S)
X85-1230-01	A-76 M (S)
X85-1230-02	A-56 X, T, E (S)
X85-1230-03	A-56 M (S)

(J): Japan made
(S): Singapore made

A-56/76

BLOCK DIAGRAM



CIRCUIT DESCRIPTION

Pin Description (A-56)

IC1 μPD75004CU-147

Pin No.	Pin Name	I/O	Name	Description
1	XT1	I		GND
2	XT2			Open
3	$\overline{\text{RESET}}$	I		Reset input
4	X1	I		Clock OSC
5	X2			Clock OSC
6	P33	I	P ROT L	Rotary encoder L
7	P32	I	P ROT R	Rotary encoder R
8	P31	I/O	S DATA	Serial "DATA"
9	P30	I/O	S BUSY	Serial "BUSY"
10	P81	I	Unused	GND
11	P80	O	LOUD	NBC loudness ON/OFF port
12	P03	I	K POWER	Key power
13	P02	I	K NBC	Key NB circuit
14	P01	I	K CD DIR	Key CD direct
15	P00	I	K CD REC	Key CD REC
16	P13	I	SP ON/OFF	SP ON/OFF selector
17	P12	I	PROTECT	PROTECTION IN
18	P11	I	SP A/B	Speaker relay A/B selector
19	INT0	I	PEMIN	Remote control input
20	NC			+5V
21	V_{DD}			+5V
22	P23	O	T CLK	Selector IC CLOCK
23	P22	O	T DT	Selector IC DATA
24	P21	O	T ST	Selector IC STROVE
25	P20	O	POWER	Power ON/OFF
26	P73	O	SP B	Speaker relay B
27	P72	O	SP A	Speaker relay A
28	P71	O	$\overline{\text{MUTE}}$	Mute
29	P70	O	V DOWN	Volume DOWN
30	P63	O	V UP	Volume UP
31	P62	O	V LED	Volume LED
32	P61	O	L NBC	NB circuit LED
33	P60	O	L CD REC	CD REC LED
34	P53	O	$\overline{\text{L CD DIR}}$	CD DIRECT LED
35	P52	O	$\overline{\text{L ADUPTER}}$	Adapter LED
36	P51	O	$\overline{\text{L CD}}$	CD LED
37	P50	O	$\overline{\text{L AUX}}$	AUX/DAT LED
38	P43	O	$\overline{\text{L TAPE B}}$	TAPE B LED
39	P42	O	$\overline{\text{L TAPE A}}$	TAPE A LED
40	P41	O	$\overline{\text{L TUNER}}$	TUNER LED
41	P40	O	$\overline{\text{L PHONO}}$	PHONO LED
42	Vss		Vss	GND

CIRCUIT DESCRIPTION

Pin Description (A-76)

IC μPD75268CW-044

Pin No.	Pin Name	I/O	Name	Description
1	S3	O	SEG k	FL Segment k
2	S2	O	SEG f	FL Segment f
3	S1	O	SEG g	FL Segment g
4	S0	O	SEG h	FL Segment h
5	P00	I	K POWER	Key power
6	P01	I	K NBC	KEY NB circuit
7	P02	I	K CD DIR	KEY CD direct
8	P03	I	K CD REC	KEY CD REC
9	INT0	I	REMIN	Remote control input
10	P11	I	SP A/B	Speaker relay A/B selector
11	P12	I	PROTECT	PROTECTION IN
12	P13	I	SP ON/OFF	Speaker relay ON/OFF selector
13	P20	O	POWER	Power ON/OFF
14	P21	O	SP A	Speaker relay A
15	P22	O	SP B	Speaker relay B
16	P23	O	$\overline{\text{MUTE}}$	Mute
17	P30	I/O	S BUSY	Serial "BUSY"
18	P31	I/O	S DATA	Serial "DATA"
19	P32	I	P ROT R	Rotaly encorder R
20	P33	I	P ROT L	Rotaly encorder L
21	P60	I	Unused	GND
22	P61	I	Unused	GND
23	P62	I	Unused	GND
24	P63	I	Unused	GND
25	P40	O	Unused	Open
26	P41	O	T ST	Selector IC "STROVE"
27	P42	O	T DT	Selector IC "DATA"
28	P43	O	T CLK	Selector IC "CLOCK"
29	IC			
30	X1			Clock OSC
31	X2			Clock OSC
32	GND			GND
33	XT1			GND
34	XT2			NC
35	P50	O	LOUD	NBC loudness ON/OFF port
36	P51	O	V DOWN	Volume DOWN
37	P52	O	V UP	Volume UP
38	P53	O	V LED	Volume LED
39	RESET		$\overline{\text{RESET}}$	Reset
40	T0	O	Unused	Open
41	T1	O	Unused	Open
42	T2	O	G8	FL glid 8

CIRCUIT DESCRIPTION

Pin Description (A-76)

Pin No.	Pin Name	I/O	Name	Description
43	T3	O	G7	FL glid 7
44	T4	O	G6	FL glid 6
45	T5	O	G5	FL glid 5
46	T6	O	G4	FL glid 4
47	T7	O	G3	FL glid 3
48	T8	O	G2	FL glid 2
49	T9	O	G1	FL glid 1
50	T10	O	SEG d	FL segment d
51	T11	O	SEG e	FL segment e
52	T12	O	SEG m	FL segment m
53	T13	O	SEG 1	FL segment 1
54	T14	O	T14/S11	NC
55	T15	O	T15/S10	NC
56	V load			FL –30V
57	V pre			FL –5V
58	S9	O	SEG n	FL segment n
59	S8	O	SEG c	FL segment c
60	S7	O	SEG a	FL segment a
61	S6	O	SEG b	FL segment b
62	S5	O	SEG j	FL segment j
63	S4	O	SEG i	FL segment i
64	V_{DD}		V_{DD}	+5V

CIRCUIT DESCRIPTION

TEST MODE

1. INITIAL STATE

(1) The initial state after turning the POWER ON is shown in the followings.

POSITION	=	TUNER	
CD DIRECT	=	OFF	
CD REC	=	OFF	
MUTE	=	OFF	
(* MUTE	=	ON	There is no sound)
MUTE	=	OFF	There is sound
NB CIRCUIT	=	OFF	

The VOLUME LED flickers during 4 seconds after turning the POWER ON, and after that it lights up.

(2) When the operation is in the initial setting.
Plug the AC cord in the power outlet while pushing the POWER key.

2. TEST MODE

(1) When the operation is in the TEST MODE...

Plug the AC cord in the power outlet while pushing the CD DIR key.
◇ All indications light up.

(2) To check the MOTOR VOL...

The following operations are carried out successively when the NBC key is pushed once during the TEST MODE.
◇ VOL UP during 16 msec
◇ VOL DOWN during 16 msec
◇ VOL STOP

(3) To reset all indications that are lit up...

Push the CD REC key.
◇ The LED are switched from the "all lit up" state to the ordinary operation.

(4) To release the TEST MODE...

Unplug the AC cord.
The storage of the microcomputer is cleared at the same time.

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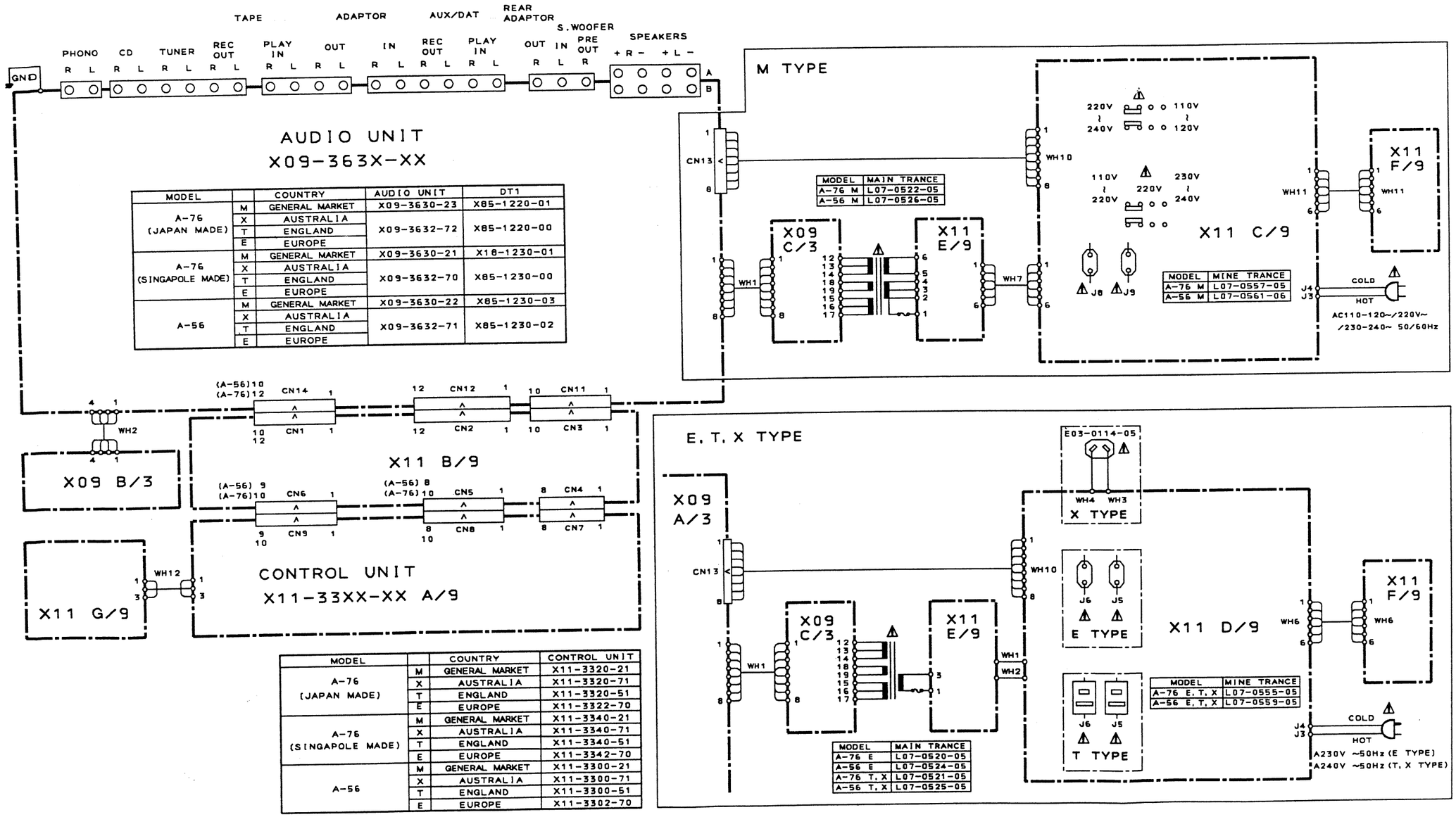
WIRING DIAGRAM



MODEL		COUNTRY	AUDIO UNIT	DT1
A-76 (JAPAN MADE)	M	GENERAL MARKET	X09-3630-23	X85-1220-01
	X	AUSTRALIA	X09-3632-72	X85-1220-00
	T	ENGLAND		
	E	EUROPE		
A-76 (SINGAPOLE MADE)	M	GENERAL MARKET	X09-3630-21	X18-1230-01
	X	AUSTRALIA	X09-3632-70	X85-1230-00
	T	ENGLAND		
	E	EUROPE		
A-56	M	GENERAL MARKET	X09-3630-22	X85-1230-03
	X	AUSTRALIA	X09-3632-71	X85-1230-02
	T	ENGLAND		
	E	EUROPE		

MODEL	MAIN TRANCE
A-76 M	L07-0522-05
A-56 M	L07-0526-05

MODEL	MINE TRANCE
A-76 M	L07-0557-05
A-56 M	L07-0561-06

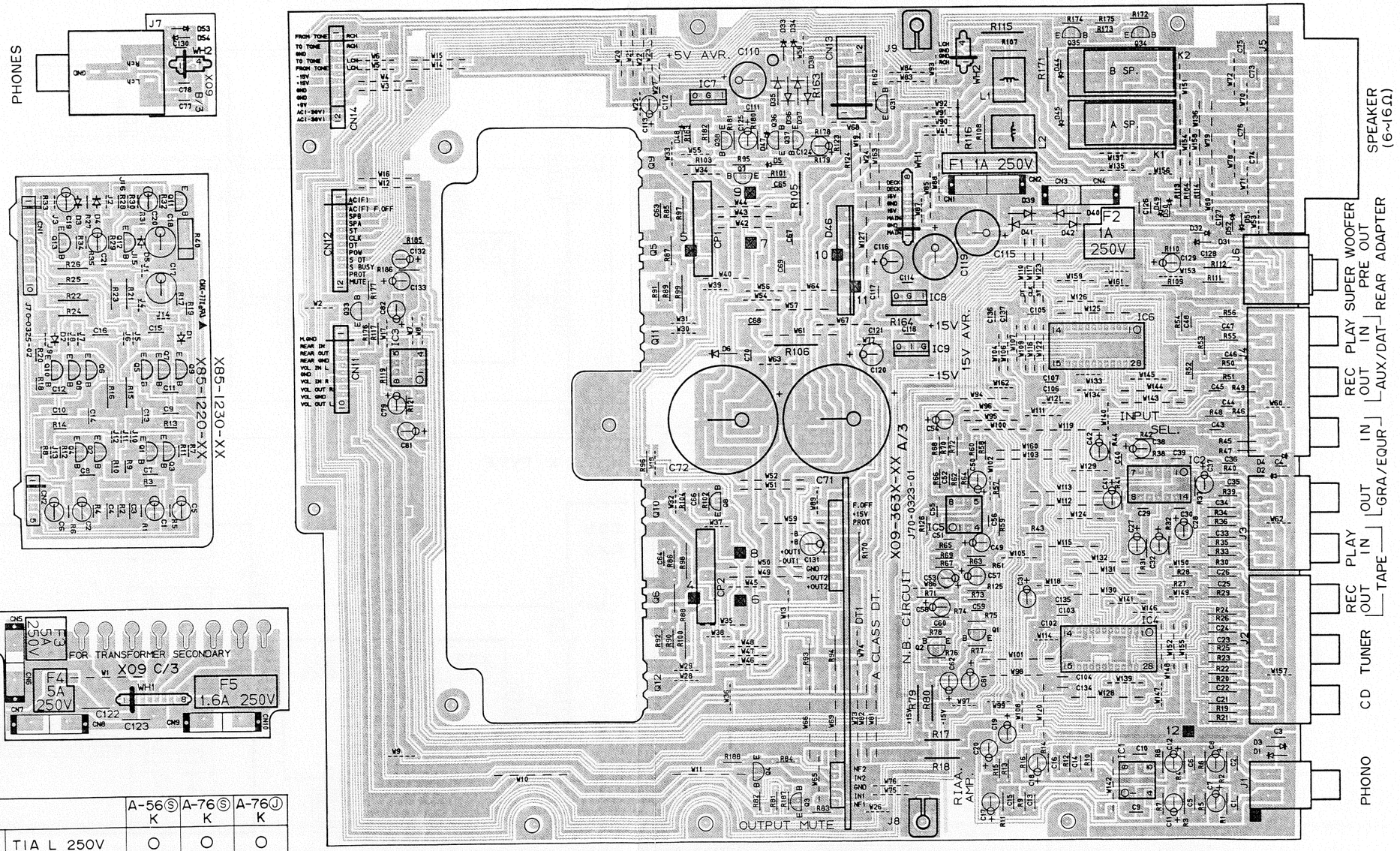
MODEL		COUNTRY	CONTROL UNIT
A-76 (JAPAN MADE)	M	GENERAL MARKET	X11-3320-21
	X	AUSTRALIA	X11-3320-71
	T	ENGLAND	X11-3320-51
	E	EUROPE	X11-3322-70
A-76 (SINGAPOLE MADE)	M	GENERAL MARKET	X11-3340-21
	X	AUSTRALIA	X11-3340-71
	T	ENGLAND	X11-3340-51
	E	EUROPE	X11-3342-70
A-56	M	GENERAL MARKET	X11-3300-21
	X	AUSTRALIA	X11-3300-71
	T	ENGLAND	X11-3300-51
	E	EUROPE	X11-3302-70

MODEL	MAIN TRANCE
A-76 E	L07-0520-05
A-56 E	L07-0524-05
A-76 T, X	L07-0521-05
A-56 T, X	L07-0525-05

MODEL	MINE TRANCE
A-76 E, T, X	L07-0555-05
A-56 E, T, X	L07-0559-05

PC BOARD (Component Side View)

Audio Unit

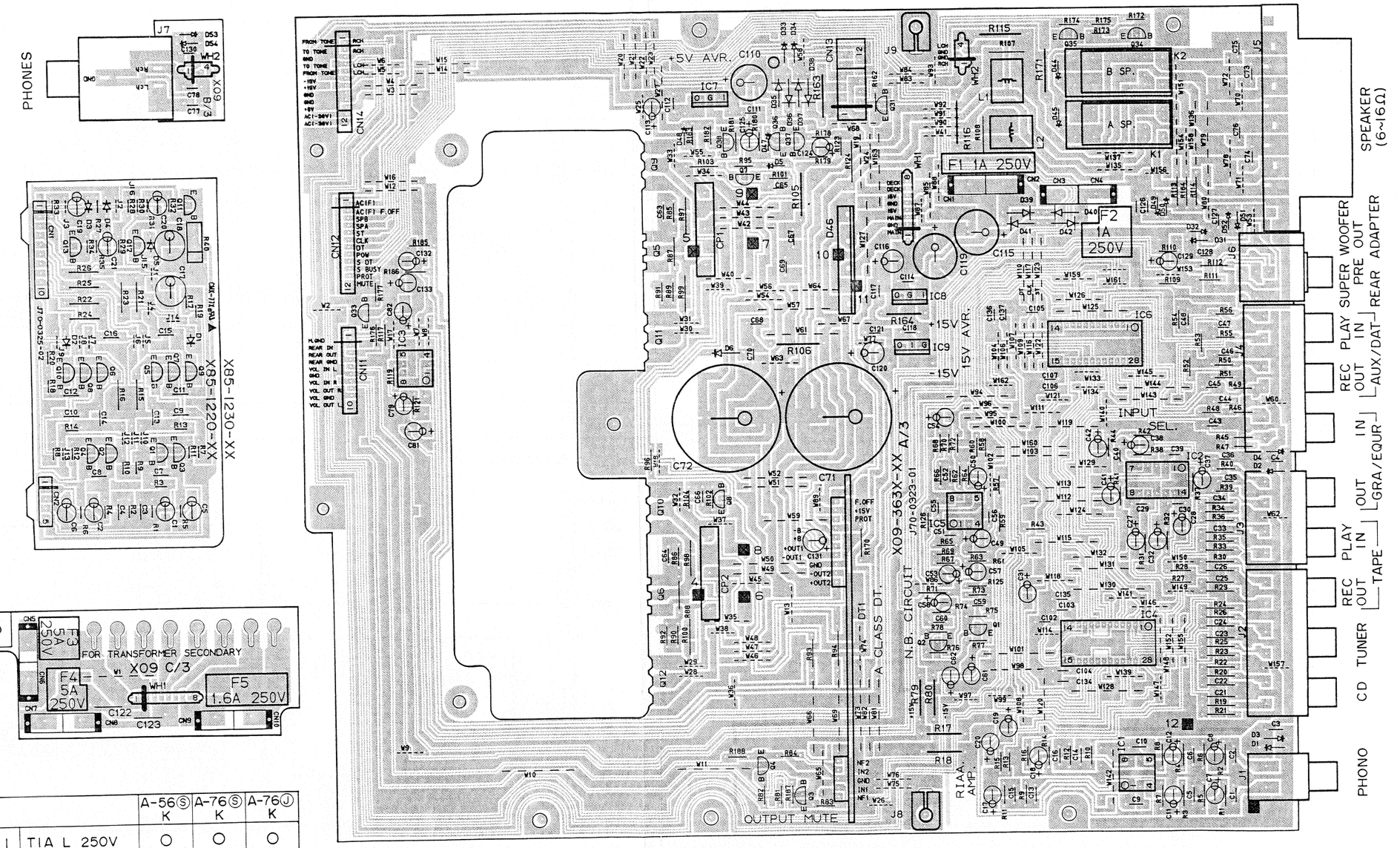


		A-56Ⓢ K	A-76Ⓢ K	A-76Ⓙ K
F1	T1A L 250V	○	○	○
F2	T1A L 250V	○	○	○
F3	T2.5A L 250V	○		
	T4A L 250V		○	○
F4	T2.5A L 250V	○		
	T4A L 250V		○	○
F5	T1.6A L 250V	○	○	○

Refer to the schematic diagram for the values of resistors and capacitors.

PC BOARD (Component Side View)

Audio Unit

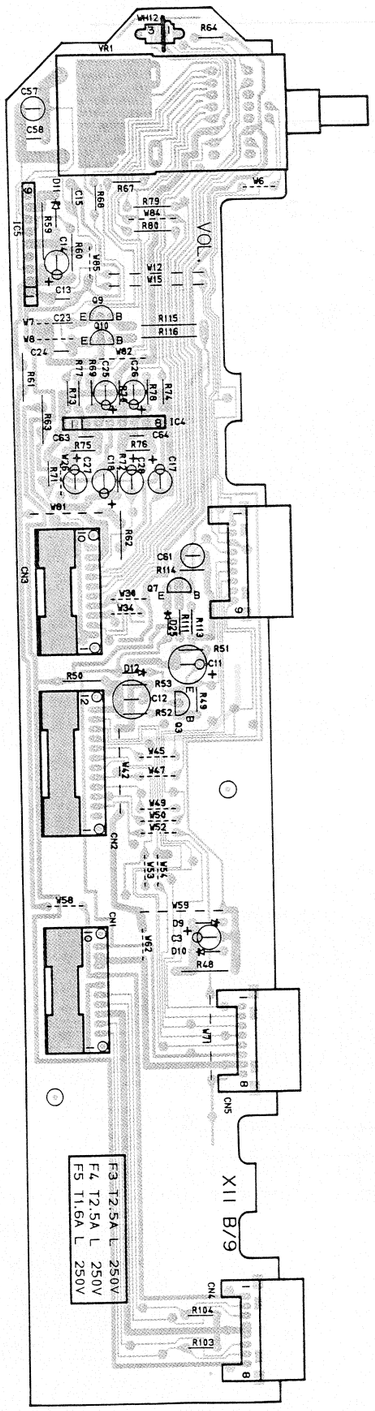


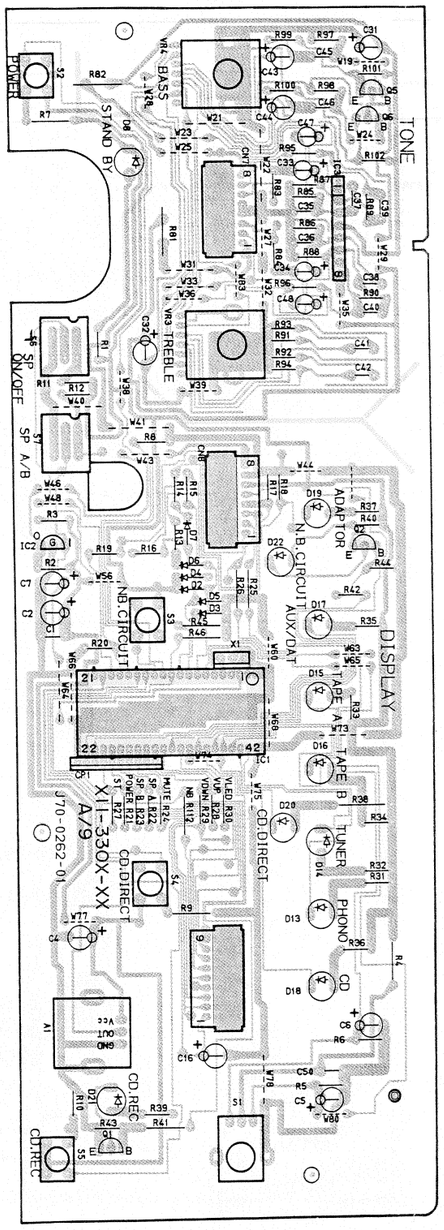
		A-56Ⓢ K	A-76Ⓢ K	A-76Ⓙ K
F1	T1A L 250V	○	○	○
F2	T1A L 250V	○	○	○
F3	T2.5A L 250V	○		
	T4A L 250V		○	○
F4	T2.5A L 250V	○		
	T4A L 250V		○	○
F5	T1.6A L 250V	○	○	○

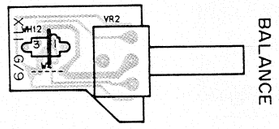
Refer to the schematic diagram for the values of resistors and capacitors.

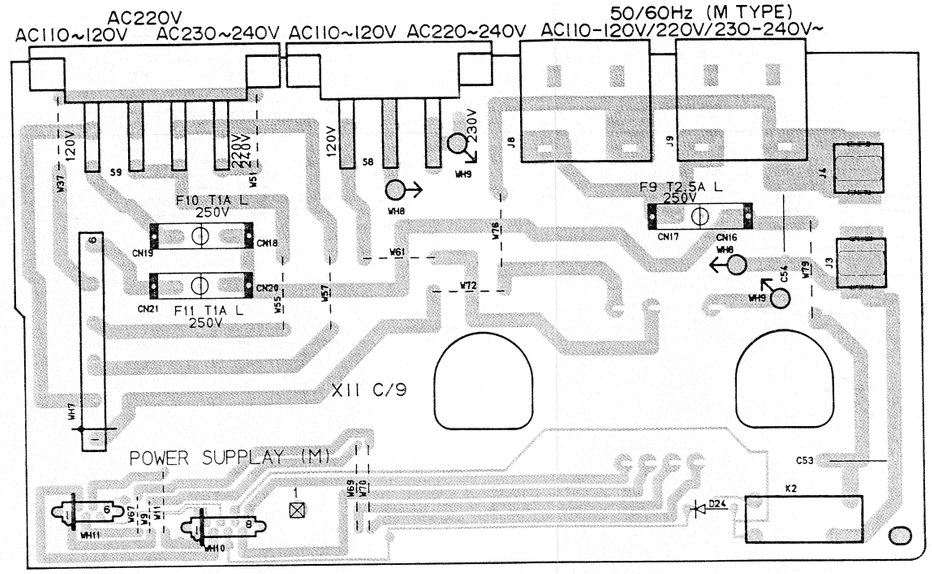
PC BOARD (Component Side View)

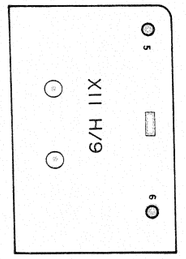
Control Unit (A-56 Only)

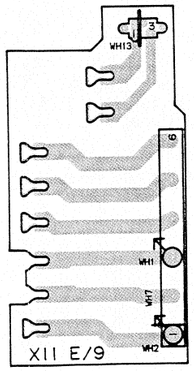


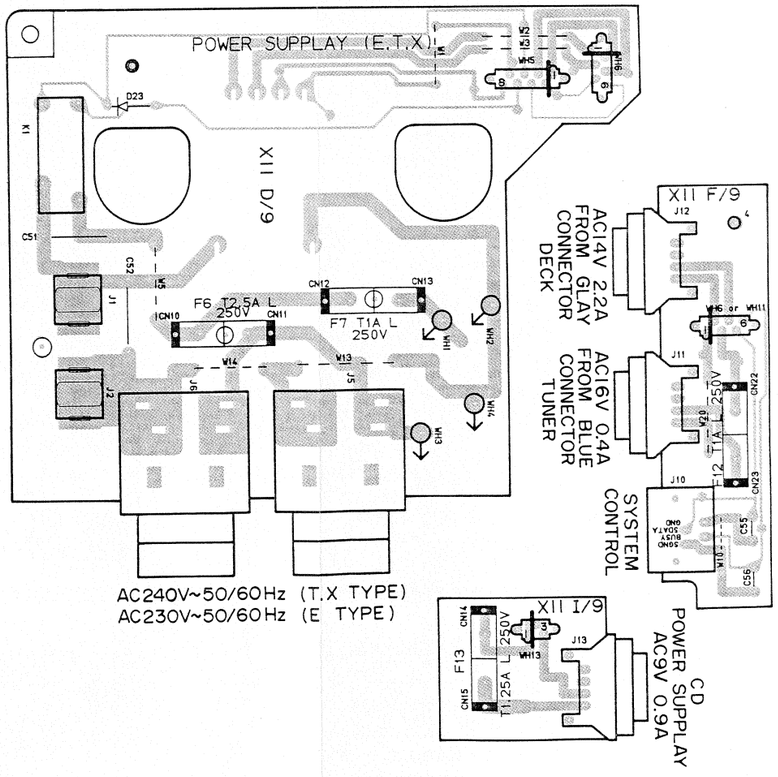








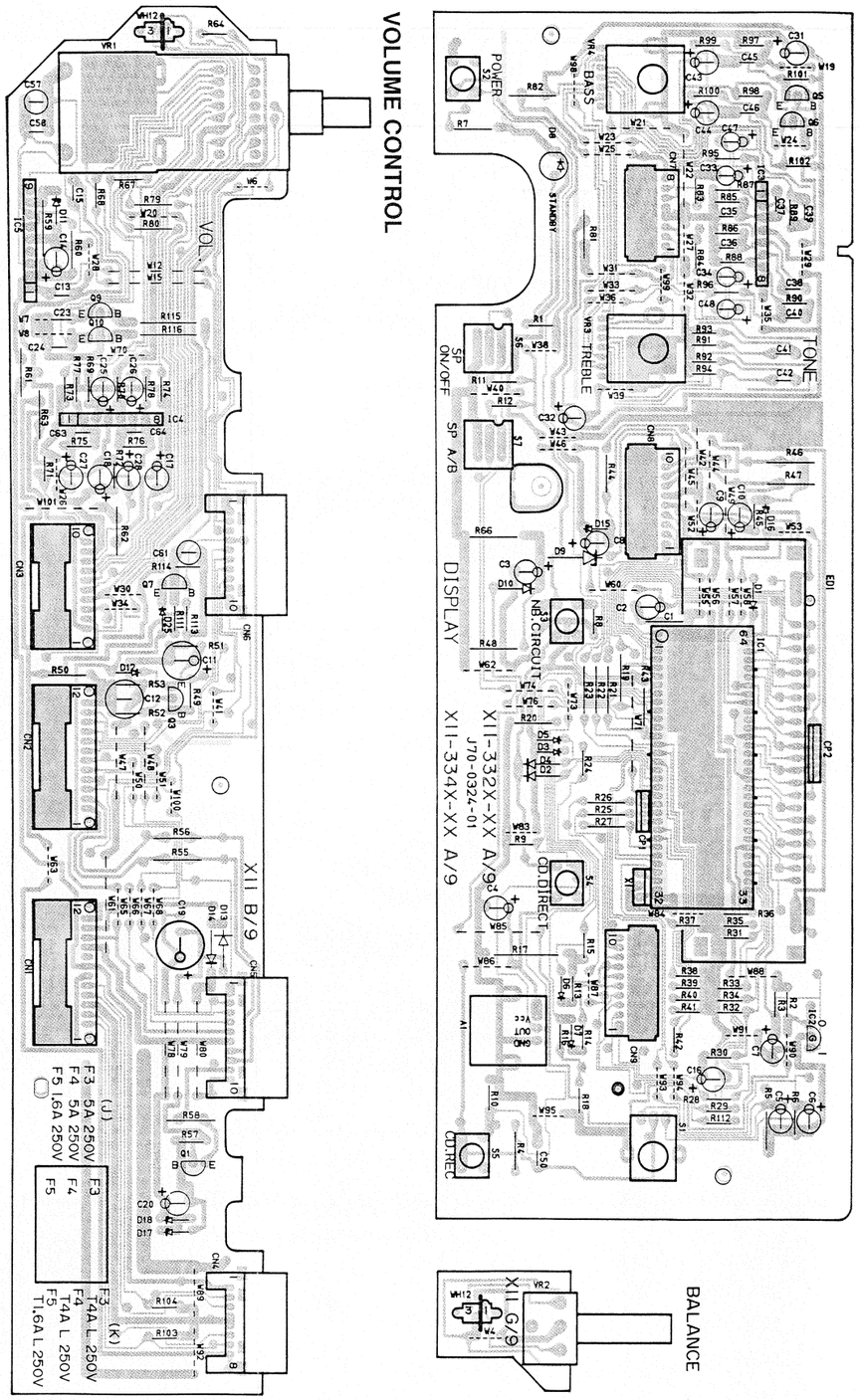


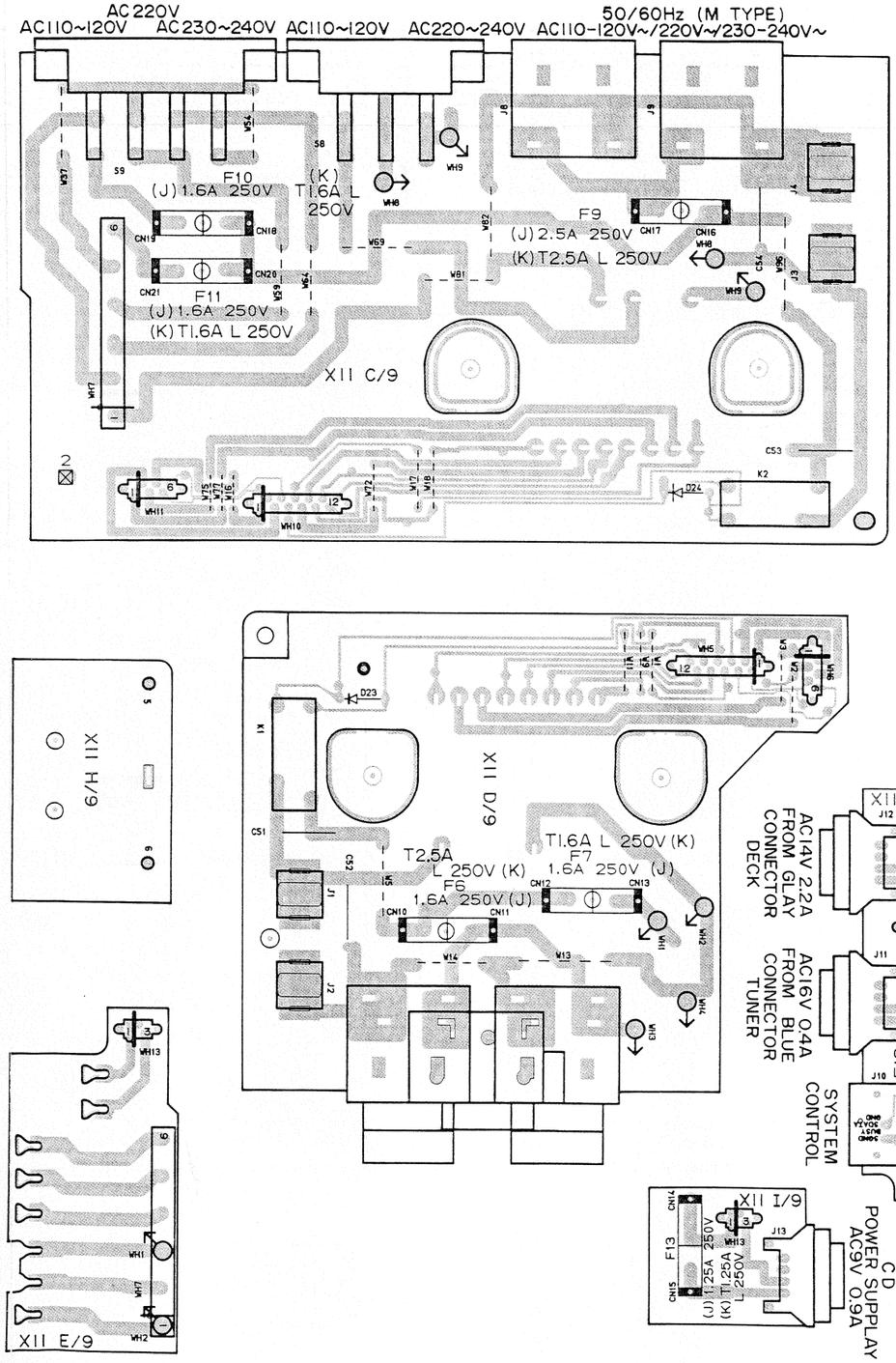


Refer to the schematic diagram for the values of resistors and capacitors.

PC BOARD (Component Side View)

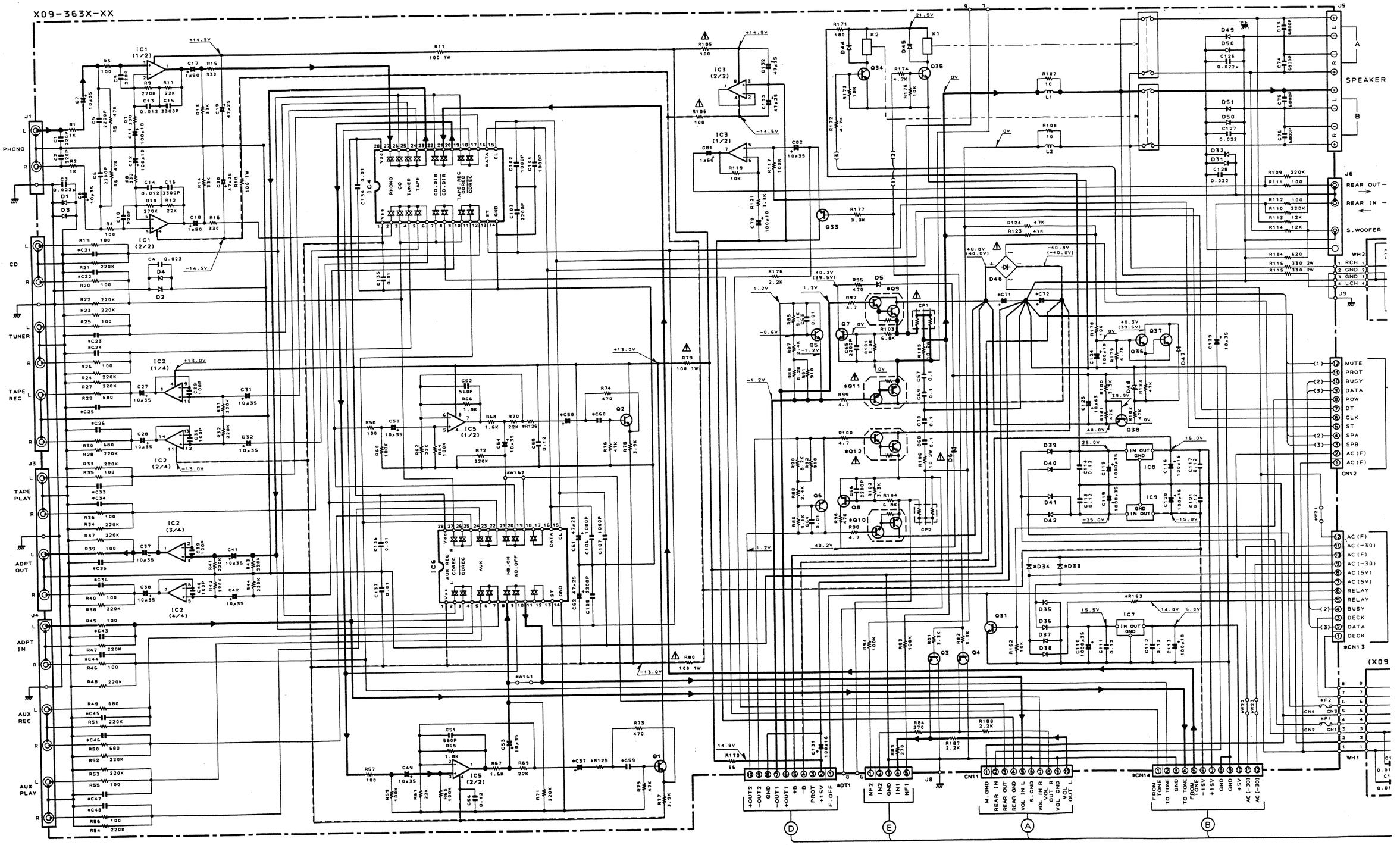
Control Unit (A-76 Only)





Refer to the schematic diagram for the values of resistors and capacitors.

X09-363X-XX


PHONO
CD
TUNER
TAPE REC
TAPE PLAY
ADPT OUT
ADPT IN
AUX REC
AUX PLAY
SPEAKER
REAR OUT
REAR IN
S.WOOFER
MUTE
PROT
BUSY
DATA
POW
DT
CLK
ST
SPA
SPB
AC (F)
AC (-30)
RELAY
DECK
+14.5V
-14.5V
+13.0V
-13.0V
21.5V
40.8V (40.0V)
40.2V (39.5V)
40.3V (39.5V)
25.0V
15.0V
-25.0V
-15.0V
15.5V
14.0V
5.0V
14.8V
IC1 (1/2)
IC1 (2/1)
IC2 (1/4)
IC2 (2/4)
IC2 (3/4)
IC2 (4/4)
IC3 (2/2)
IC3 (1/2)
IC4
IC5 (1/2)
IC5 (2/2)
IC6
IC7
IC8
IC9
Q1
Q2
Q3
Q4
Q5
Q6
Q7
Q8
Q31
Q33
Q34
Q35
Q36
Q37
Q38
D1
D2
D3
D4
D5
D31
D32
D35
D36
D37
D38
D39
D40
D41
D42
D44
D45
D46
D47
D49
D50
D51
K1
K2
L1
L2
CN11
CN12
CN13
CN14
WH1
WH2
J1
J3
J4
J5
J6
J8
J9
DT1
CP1
CP2
SW1
SW2
SW3
SW21
SW22
SW161
SW162
R17 100 1W
R79 100 1W
R80 100 1W

DT1 X85-12XX-XX

(X85-122X-XX)
Q1~4, 9, 10.13 : 2SA992(F.E)
Q5~8 : 2SC1845(F.E)
Q11 : 2SC2458(Y.GR) or 2SC3311A(QR)(J)
Q11 : 2SC1740S(QR) or 2SC2785(F.E)(S)
Q12 : UN4212 or DTC124ES
D1.2 : 1SS133 or HSS104
D3 : 1SS131 or HSS104A

(X09-363X-XX)
IC1, 3, 5 : NJM4565D-D or BA15218-DX
IC2 : UPC4574C or NJM2058D
IC4 : NJU7313L or TC9164N
IC6 : NJU7311L or TC9162N
IC7 : TA7805S or μPC7805AHF
IC8 : TA7815S or μPC7815AHF
IC9 : TA7915S or μPC7915HF
Q1, 2, 7, 8 : 2SC1845(F,E)
Q3, 4, 33 : 2SC2878(A, B)
Q5, 6, Q9, 10, Q11, Q31, Q38 : D1~6, 44, 47, D35~D46, D48

(X09-363X-XX)

MODEL		COUNTRY		CN13	CN14	Q9.10	Q10.11	D33.34	C21~26 33~36.43~48	C57.58	C59.60
A-76 (JAPAN MADE)	M	GENERAL MARKET	0~23	12P	12P	2SD2254	2SB1492	NO	NO	4.7μ35	0.33μ
	X	AUSTRALIA	2~72	12P	12P	2SD2254	2SB1492		220P	1.0μ	0.33μ
	T	ENGLAND									
	E	EUROPE									
A-76 (SINGAPOLE MADE)	M	GENERAL MARKET	0~21	12P	12P	2SD2254	2SB1492		NO	4.7μ35	0.33μ
	X	AUSTRALIA	2~70	12P	12P	2SD2254	2SB1492		220P	1.0μ	0.33μ
	T	ENGLAND									
	E	EUROPE									
A-56	M	GENERAL MARKET	0~22	8P	10P	2SD2340	2SB1531	1SS133 or HSS104	NO	4.7μ35	0.1μ
	X	AUSTRALIA	2~71	8P	10P	2SD2340	2SB1531		220P	1.0μ	0.33μ
	T	ENGLAND									
	E	EUROPE									

(X85-12XX-XX)

MODEL			R5.6	R40
A-76 JAPAN MADE	M	20-01	2.37K	10
	X T E	20-00	2.15K	JUMPER
A-76 SINGAPOLE MADE	M	30-01	2.37K	10
	X T E	30-00	2.15K	JUMPER
A-56	M	30-03	2.87K	33
	X T E	30-02	2.61K	22

(M TYPE ONLY)

D24 : 1SS131 or HSS104A

(E.T.X TYPE ONLY)

D23 : 1SS131 or HSS104A

L07-0520-05 (A-76 E)
L07-0524-05 (A-56 E)
L07-0521-05 (A-76 T)
L07-0525-05 (A-56 T)
L07-0521-05 (A-76 X)
L07-0525-05 (A-56 X)

L07-0557-05 (A-76)
L07-0561-05 (A-56)

DT1 X85-12XX-XX

(X85-122X-XX)

Q1~4, 9, 10, 13	: 2SA992 (F, E)
Q5~8	: 2SC1845 (F, E)
Q11	: 2SC2458 (Y, GR) or 2SC3311A (QR) (J)
Q11	: 2SC1740S (QR) or 2SC2785 (F, E) (S)
Q12	: UN4212 or DTC124ES
D1, 2	: 1SS133 or HSS104
D3	: 1SS131 or HSS104A

(X09-363X-XX)

IC1, 3, 5	: NJM4565D-D or BA15218-DX
IC2	: UPC4574C or NJM2058D
IC4	: NJU7313L or TC9164N
IC6	: NJU7311L or TC9162N
IC7	: TA7805S or μPC7805AHF
IC8	: TA7815S or μPC7815AHF
IC9	: TA7915S or μPC7915HF
Q1, 2, 7, 8	: 2SC1845 (F, E)
Q3, 4, 33	: 2SC2878 (A, B)
Q5, 6	: 2SC4137 (V, W)
Q9, 10	: 2SD2254 (A-76) 2SD2340 (A-56)
Q11, 12	: 2SB1492 (A-76) 2SB1531 (A-56)
Q31, 34~37	: 2SC2003 (L, K)
Q38	: 2SA933S (Q, R) or 2SA1175 (F, E)
D1~6, 31, 34, 44, 45, 47, 49~54	: 1SS133 or HSS104
D35~42	: S5688B or 1SR139-100
D46	: RBV-602LFA or D5SBA20F03
D48	: RD4.7ES (B2) or HZS4.7N (B2)

(X09-363X-XX)

MODEL		COUNTRY		CN13	CN14	Q9, 10	Q10, 11	D33, 34	C21~26 33~36, 43~48	C57, 58	C59, 60	C71, 72	R125	R126	R163	F3.4	W21~23
A-76 (JAPAN MADE)	M	GENERAL MARKET	0~23	12P	12P	2SD2254	2SB1492	NO	NO	4.7μ35	0.33μ	6800μ63	W165	W164	47 2W	T4A L	YES
	X T E	AUSTRALIA ENGLAND EUROPE	2~72	12P	12P	2SD2254	2SB1492		220P	1.0μ	0.33μ	6800μ63	4.7K	4.7K			YES
A-76 (SINGAPOLE MADE)	M	GENERAL MARKET	0~21	12P	12P	2SD2254	2SB1492		NO	4.7μ35	0.33μ	6800μ63	W165	W164			YES
	X T E	AUSTRALIA ENGLAND EUROPE	2~70	12P	12P	2SD2254	2SB1492		220P	1.0μ	0.33μ	6800μ63	4.7K	4.7K			YES
A-56	M	GENERAL MARKET	0~22	8P	10P	2SD2340	2SB1531	1SS133 or HSS104	NO	4.7μ35	0.1μ	5600μ	W165	W164	82 2W	T2.5A L	NO
	X T E	AUSTRALIA ENGLAND EUROPE	2~71	8P	10P	2SD2340	2SB1531		220P	1.0μ	0.33μ	5600μ	2.0K	2.0K			NO

(X85-12XX-XX)

MODEL			R5.6	R40
A-76 JAPAN MADE	M	20-01	2.37K	10
	X T E	20-00	2.15K	JUMPER
A-76 SINGAPOLE MADE	M	30-01	2.37K	10
	X T E	30-00	2.15K	JUMPER
A-56	M	30-03	2.87K	33
	X T E	30-02	2.61K	22

(M TYPE ONLY)

X11 C/9

D24 : 1SS131 or HSS104A

(X09) (E/9)

L07-0557-05 (A-76)
L07-0561-05 (A-56)

(E.T.X TYPE ONLY)

X11 D/9

D23 : 1SS131 or HSS104A

(X09) (E/9)

L07-0520-05 (A-76 E)
L07-0524-05 (A-56 E)
L07-0521-05 (A-76 T)
L07-0525-05 (A-56 T)
L07-0521-05 (A-76 X)
L07-0525-05 (A-56 X)

E TYPE ONLY

T TYPE ONLY

X TYPE ONLY

SIGNAL LINE
GND LINE
+B LINE
-B LINE

CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). ⚠ Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

DC voltages are as measured with a high impedance voltmeter with no signal input. Values may vary slightly due to variations between individual instruments or/and units.

Les tensions c.c. doivent être mesurées avec un voltmètre à haute impédance sans signal d'entrée. Les valeurs peuvent différer légèrement du fait des variations inhérentes aux appareils et aux instruments de mesure individuels.

Die angegebenen Gleichspannungswerte wurden mit einem hochohmigen Spannungsmesser ohne Eingangssignal gemessen. Dabei schwanken die Meßwerte aufgrund von Unterschieden zwischen einzelnen Instrumenten oder Geräten u. U. geringfügig.

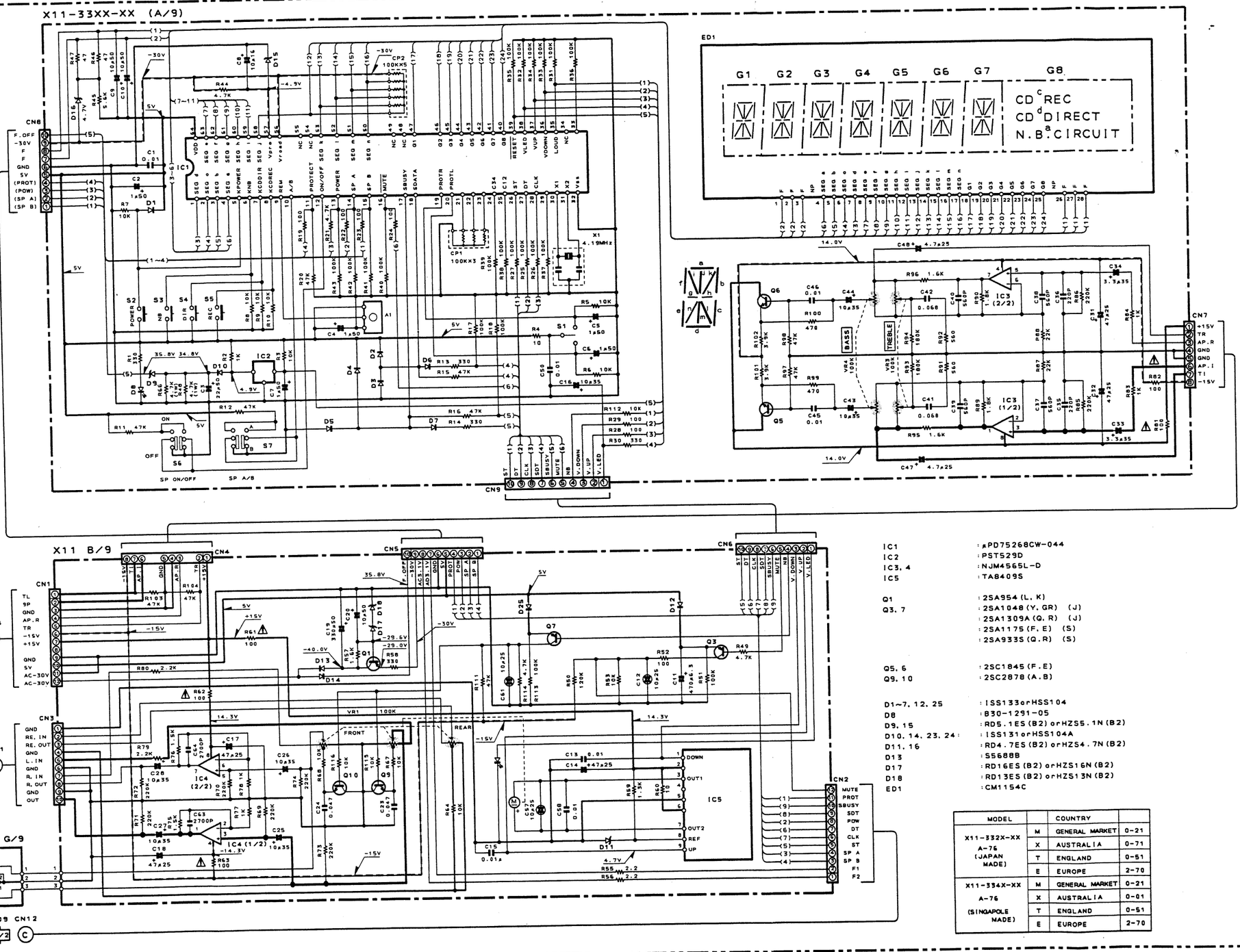
Y08-4642-70

A-56/76

KENWOOD

(A-76)

X11-33XX-XX (A/9)



X11 B/9

X11 G/9

IC1	: μPD75268CW-044
IC2	: PST529D
IC3, 4	: NJM4565L-D
IC5	: TA8409S
Q1	: 2SA954 (L, K)
Q3, 7	: 2SA1048 (Y, GR) (J) : 2SA1309A (Q, R) (J) : 2SA1175 (F, E) (S) : 2SA933S (Q, R) (S)
Q5, 6	: 2SC1845 (F, E)
Q9, 10	: 2SC2878 (A, B)
D1~7, 12, 25	: 1SS133 or HSS104
D8	: B30-1291-05
D9, 15	: RD5.1ES (B2) or HZS5.1N (B2)
D10, 14, 23, 24	: 1SS131 or HSS104A
D11, 16	: RD4.7ES (B2) or HZS4.7N (B2)
D13	: S5688B
D17	: RD16ES (B2) or HZS16N (B2)
D18	: RD13ES (B2) or HZS13N (B2)
ED1	: CM1154C

MODEL		COUNTRY	
X11-332X-XX A-76 (JAPAN MADE)	M	GENERAL MARKET	0-21
	X	AUSTRALIA	0-71
	T	ENGLAND	0-51
	E	EUROPE	2-70
X11-334X-XX A-76 (SINGAPOLE MADE)	M	GENERAL MARKET	0-21
	X	AUSTRALIA	0-01
	T	ENGLAND	0-51
	E	EUROPE	2-70

(A-56)

TO X09 CN14

TO X16 CN11

X11 G/9

TO X09 CN

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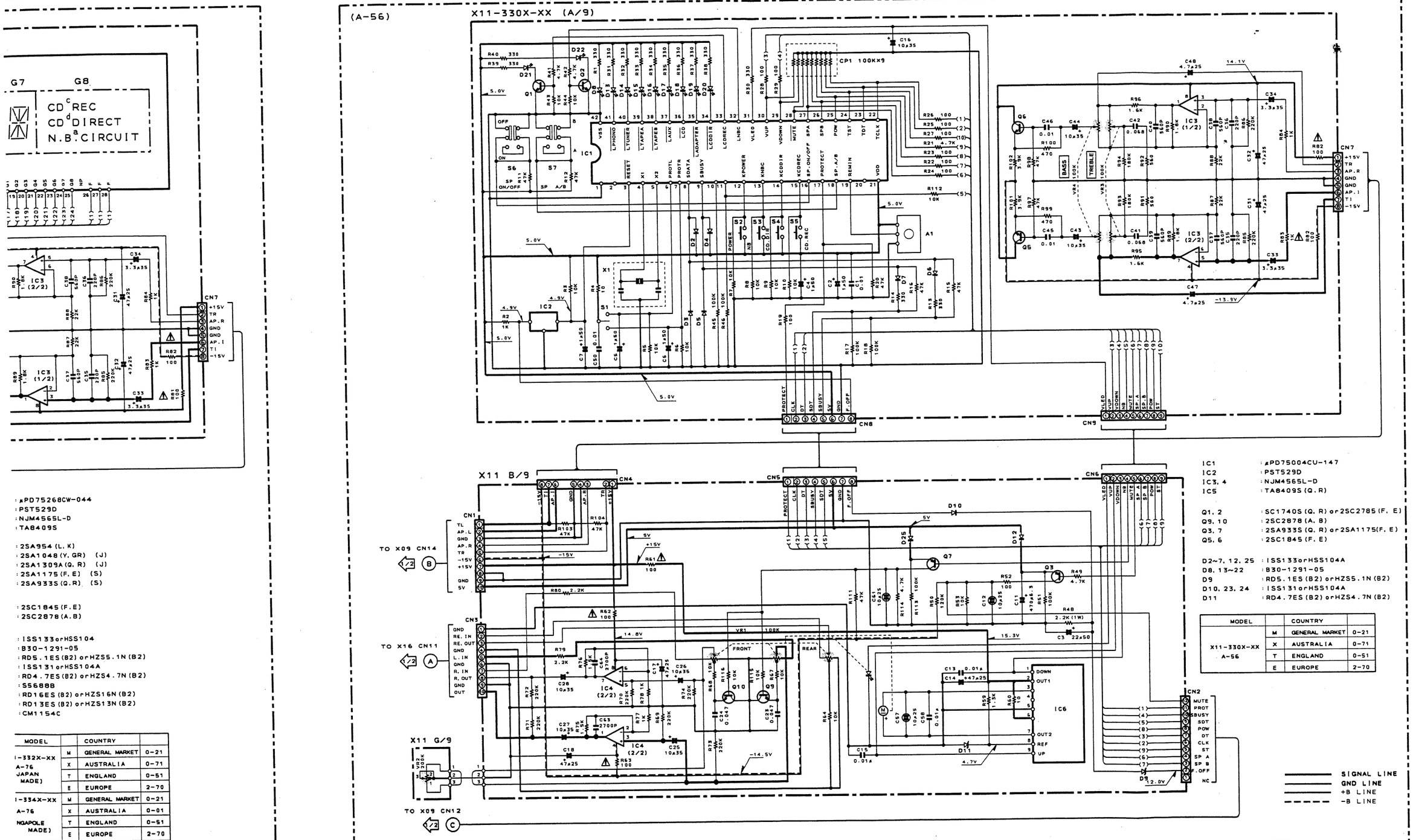
(A-56)

X11-330X-XX (A/9)



IC1	: μPD75004CU-147
IC2	: PST529D
IC3, 4	: NJM4565L-D
IC5	: TA8409S (Q, R)
Q1, 2	: SC1740S (Q, R) or 2SC2785 (F, E)
Q9, 10	: 2SC2878 (A, B)
Q3, 7	: 2SA933S (Q, R) or 2SA1175 (F, E)
Q5, 6	: 2SC1845 (F, E)
D2~7, 12, 25	: ISS133 or HSS104A
D8, 13~22	: B30-1291-05
D9	: RD5.1ES (B2) or HZS5.1N (B2)
D10, 23, 24	: ISS131 or HSS104A
D11	: RD4.7ES (B2) or HZS4.7N (B2)

MODEL		COUNTRY	
X11-330X-XX A-56	M	GENERAL MARKET	0-21
	X	AUSTRALIA	0-71
	T	ENGLAND	0-51
	E	EUROPE	2-70

: μPD75268CW-044
: PST529D
: NJM4565L-D
: TA8409S

: 2SA954 (L, K)
: 2SA1048 (Y, GR) (J)
: 2SA1309A (Q, R) (J)
: 2SA1175 (F, E) (S)
: 2SA933S (Q, R) (S)

: 2SC1845 (F, E)
: 2SC2878 (A, B)

: ISS133 or HSS104
: B30-1291-05
: RD5.1ES (B2) or HZS5.1N (B2)
: ISS131 or HSS104A
: RD4.7ES (B2) or HZS4.7N (B2)
: S5688B
: RD16ES (B2) or HZS16N (B2)
: RD13ES (B2) or HZS13N (B2)
: CM1154C

MODEL		COUNTRY	
I-332X-XX	M	GENERAL MARKET	0-21
A-76 JAPAN MADE)	X	AUSTRALIA	0-71
	T	ENGLAND	0-51
	E	EUROPE	2-70
I-334X-XX	M	GENERAL MARKET	0-21
A-76	X	AUSTRALIA	0-01
NGAPOLE MADE)	T	ENGLAND	0-51
	E	EUROPE	2-70

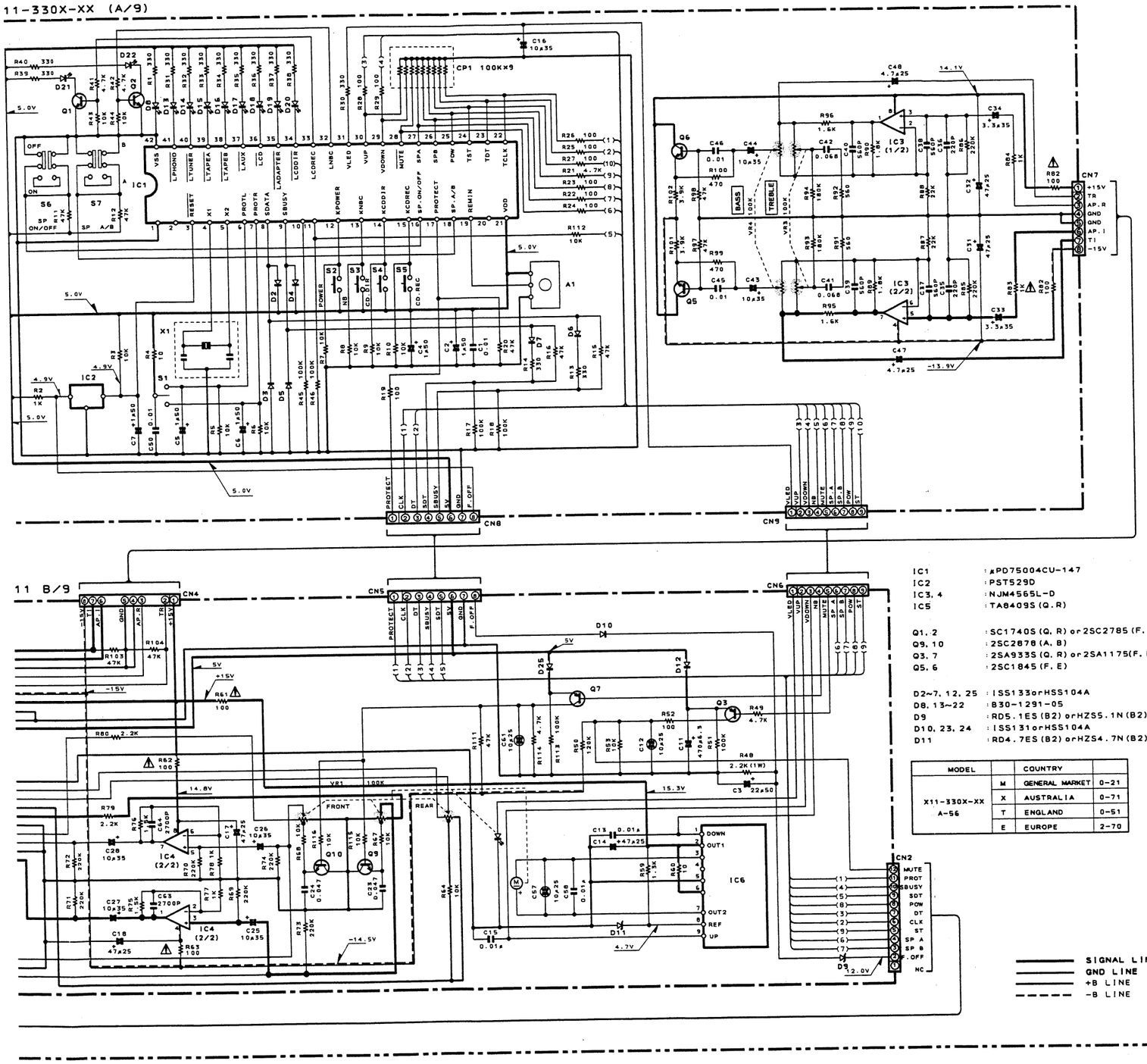
CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). ⚠ Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

DC voltages are as measured with a high impedance voltmeter with no signal input. Values may vary slightly due to variations between individual instruments or/and units.

Les tensions c.c. doivent être mesurées avec un voltmètre à haute impédance sans signal d'entrée. Les valeurs peuvent différer légèrement du fait des variations inhérentes aux appareils et aux instruments de mesure individuels.

Die angegebenen Gleichspannungswerte wur hochohmigen Spannungsmesser ohne E gemessen. Dabei schwanken die Meßwerte Unterschieden zwischen einzelnen Instrumenten U. geringfügig.

11-330X-XX (A/9)



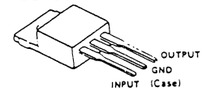
IC1	: μPD75004CU-147
IC2	: PST529D
IC3, 4	: NJM4565L-D
IC5	: TA8409S (Q, R)
Q1, 2	: SC1740S (Q, R) or 2SC2785 (F, E)
Q9, 10	: 2SC2878 (A, B)
Q3, 7	: 2SA933S (Q, R) or 2SA1175 (F, E)
Q5, 6	: 2SC1845 (F, E)
D2~7, 12, 25	: 1SS133 or HSS104A
D8, 13~22	: B30-1291-05
D9	: RD5.1ES (B2) or HZS5.1N (B2)
D10, 23, 24	: 1SS131 or HSS104A
D11	: RD4.7ES (B2) or HZS4.7N (B2)

MODEL		COUNTRY	
X11-330X-XX A-56	M	GENERAL MARKET	0-21
	X	AUSTRALIA	0-71
	T	ENGLAND	0-51
	E	EUROPE	2-70

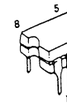
HSS104
HSS104A
HZS4.7N
HZS5.1N
RD4.7ES
RD5.1ES
S5688B
1SR139-100
1SS131
1SS133

UN4212
2SA1309A
2SC3311A

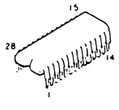
UPC7805AHF
UPC7815AHF



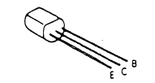
BA15218-DX
NJM4565D-D



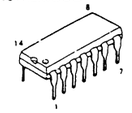
TC9162N
TC9164N



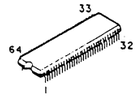
2SA954
2SA992
2SC1845
2SC2003
2SC2878



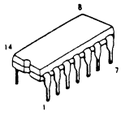
NJM2058D



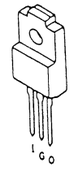
UPD75268CW-044



UPC4574C



TA7805S
TA7815S



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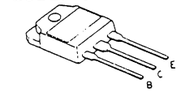
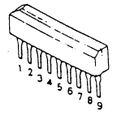
2SD2340



TA8409S



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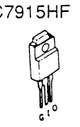
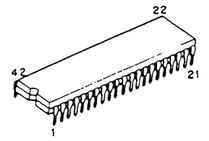
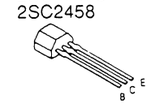
UPC7915HF



UPD75004CU-147

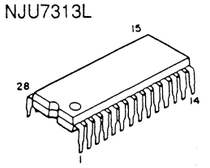


DTC124ES
2SA1048
2SA933S
2SC1740S
2SC2458

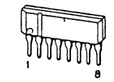


TA79015S

NJU7311L
NJU7313L

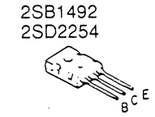


NJM4565L-D

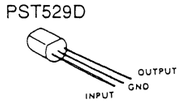


2SC4137

2SB1492
2SD2254



PST529D



For continued safety, replace safety critical compo- with manufacturer's recommended parts (refer to ⚠ Indicates safety critical components. To reduce the c shock, leakage-current or resistance measurements ed out (exposed parts are acceptably insulated from rcuit) before the appliance is returned to the custom-

DC voltages are as measured with a high impedance voltmeter with no signal input. Values may vary slightly due to variations between individual instruments or/and units.

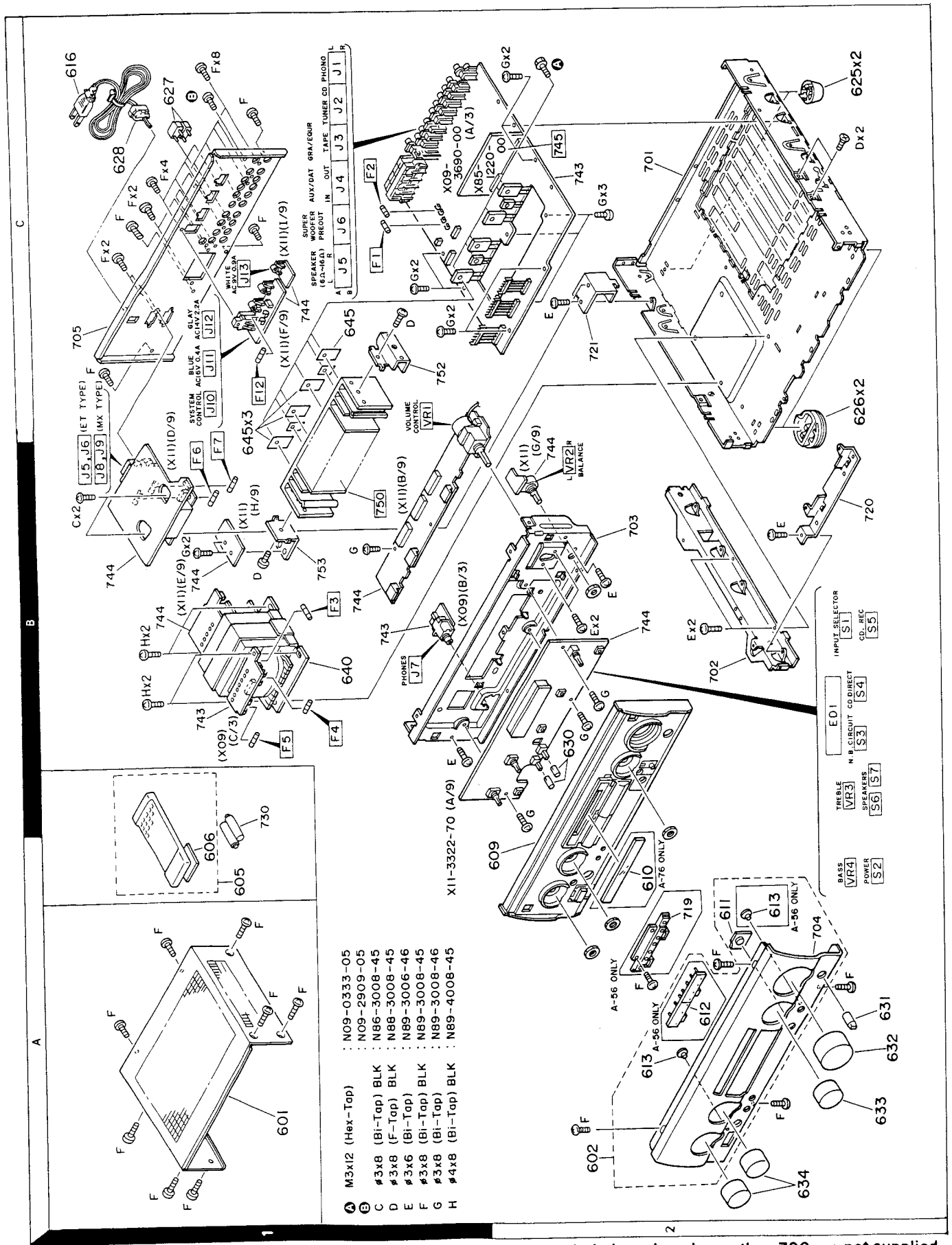
Les tensions c.c. doivent être mesurées avec un voltmètre à haute impédance sans signal d'entrée. Les valeurs peuvent différer légèrement du fait des variations inhérentes aux appareils et aux instruments de mesure individuels.

Die angegebenen Gleichspannungswerte wurden mit einem hochohmigen Spannungsmesser ohne Eingangssignal gemessen. Dabei schwanken die Meßwerte aufgrund von Unterschieden zwischen einzelnen Instrumenten oder Geräten u. U. geringfügig.

Y08-4642-70

A-56/76
KENWOOD

EXPLODED VIEW



Parts with the exploded numbers larger than 700 are not supplied.

A-56/76

PARTS LIST

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Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Destination 仕向	Remarks 備考
A-56 (SINGAPORE MADE)						
601	1A	*	A01-2948-01	METALLIC CABINET		
602	2A	*	A60-0309-12	PANEL ASSY		
605	1A	*	A70-0599-05	REMOTE CONTROLLER ASSY		
606	1A		A09-0104-08	BATTERY COVER		
609	2A	*	B01-0487-11	PANEL ESCUTCHEON		
611	2A		B12-0201-04	INDICATOR		
612	2A	*	B12-0202-04	INDICATOR		
613	2A	*	B19-1520-04	LIGHTING BOARD		
-			B46-0096-33	WARRANTY CARD	X	
-			B46-0122-23	WARRANTY CARD	E	
-			B46-0143-13	WARRANTY CARD	T	
-		*	B52-0505-00	CONNECTING DIAGRAM	ET	
-		*	B52-0515-00	CONNECTING DIAGRAM	MX	
-		*	B60-0862-00	INSTRUCTION MANUAL (ENGLISH)	ET	
-		*	B60-0863-00	INSTRUCTION MANUAL (FRENCH)	E	
-		*	B60-0864-00	INSTRUCTION MANUAL (DUTCH)	E	
-		*	B60-0865-00	INSTRUCTION MANUAL (SPANISH)	E	
-		*	B60-0866-00	INSTRUCTION MANUAL (CHINESE)	M	
-		*	B60-0969-00	INSTRUCTION MANUAL (GERMAN)	E	
-		*	B60-0970-00	INSTRUCTION MANUAL (ITALIAN)	E	
-		*	B60-0971-00	INSTRUCTION MANUAL (ENGLISH)	MX	
-		*	B60-0975-00	INSTRUCTION MANUAL (SPANISH)	M	
⚠ 616	1C		E30-2275-15	AC POWER CORD	X	
⚠ 616	1C		E30-2277-15	AC POWER CORD	EM	
⚠ 616	1C	*	E30-2601-15	AC POWER CORD	T	
⚠ J8 ,9	1B		E03-0114-05	AC OUTLET	X	
		*	H50-0412-14	ITEM CARTON CASE	ET	
		*	H50-0413-14	ITEM CARTON CASE	M	
		*	H50-0468-14	ITEM CARTON CASE	X	
-		*	H10-5354-02	POLYSTYRENE FOAMED FIXTURE		
-		*	H10-5355-02	POLYSTYRENE FOAMED FIXTURE		
-			H25-0232-04	PROTECTION BAG (235X350X0.03)	EMX	
-			H25-0304-04	PROTECTION BAG	EMX	
-			H25-0651-04	PROTECTION BAG (0232 PRINTED)	T	
-		*	H25-0656-04	PROTECTION BAG (0304 PRINTED)	T	
625	2C		J02-0366-15	FOOT REAR		
626	2C		J02-1040-05	FOOT FRONT		
627	1C		J12-0091-05	PIN		
⚠ 628	1C		J42-0083-05	POWER CORD BUSHING		
630	2B	*	K27-2081-04	KNOB SPEAKER ON/OFF,A/B		
631	2A		K29-2507-04	KNOB BALANCE		
632	2A	*	K29-4403-04	KNOB VOLUME CONTROL		
633	2A	*	K29-4404-04	KNOB INPUT SELECTOR		
634	2A	*	K29-4405-04	KNOB BASS,TREBLE		
640	1B	*	L07-0524-15	POWER TRANSFORMER	E	
640	1B	*	L07-0525-15	POWER TRANSFORMER	TX	
640	1B	*	L07-0526-15	POWER TRANSFORMER	M	
B	1C		N09-2909-05	TAPTITE SCREW		
C	1B		N86-3008-45	BINDING HEAD TAPTITE SCREW		
D	1B,1C		N88-3008-45	FLAT HEAD TAPTITE SCREW		
E	1B,2B		N89-3006-46	BINDING HEAD TAPTITE SCREW		
F	1A,1C		N89-3008-45	BINDING HEAD TAPTITE SCREW		

L:Scandinavia **K:**USA **P:**Canada
Y:PX(Far East, Hawaii) **T:**England **E:**Europe
Y:AAFES(Europe) **X:**Australia **M:**Other Areas

⚠ indicates safety critical components.

PARTS LIST

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Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Destination 仕向	Remarks 備考
G	1B,2C		N89-3008-46	BINDING HEAD TAPTITE SCREW		
H	1B		N89-4008-45	BINDING HEAD TAPTITE SCREW		
A-76 (JAPAN MADE)						
601	1A	*	A01-2946-01	METALLIC CABINET		
602	2A	*	A60-0308-22	PANEL ASSY		
605	1A	*	A70-0598-05	REMOTE CONTROLLER ASSY	MX	
605	1A	*	A70-0599-05	REMOTE CONTROLLER ASSY	ET	
606	1A		A09-0104-08	BATTERY COVER (A70-0599-08)	ET	
606	1A		A09-0106-08	BATTARY COVER (A70-0598-05)	MX	
609	2A	*	B01-0486-11	PANEL ESCUTCHEON		
610	2A	*	B10-1922-03	FRONT GLASS		
611	2A		B12-0201-04	INDICATOR		
613	2A	*	B19-1520-04	LIGHTING BOARD		
-			B46-0096-33	WARRANTY CARD	X	
-			B46-0122-23	WARRANTY CARD	E	
-			B46-0143-13	WARRANTY CARD	T	
-		*	B52-0505-00	CONNECTING DIAGRAM	ET	
-		*	B52-0515-00	CONNECTING DIAGRAM	MX	
-		*	B60-0862-00	INSTRUCTION MANUAL (ENGLISH)	ET	
-		*	B60-0863-00	INSTRUCTION MANUAL (FRANCH)	E	
-		*	B60-0864-00	INSTRUCTION MANUAL (DUTCH)	E	
-		*	B60-0865-00	INSTRUCTION MANUAL (SPANISH)	E	
-		*	B60-0866-00	INSTRUCTION MANUAL (CHINESE)	M	
-		*	B60-0969-00	INSTRUCTION MANUAL (GERMAN)	E	
-		*	B60-0970-00	INSTRUCTION MANUAL (ITALIAN)	E	
-		*	B60-0971-00	INSTRUCTION MANUAL (ENGLISH)	MX	
-		*	B60-0975-00	INSTRUCTION MANUAL (SPANISH)	M	
⚠ 616	1C		E30-2275-15	AC POWER CORD	X	
⚠ 616	1C		E30-2277-15	AC POWER CORD	EM	
⚠ 616	1C	*	E30-2601-15	AC POWER CORD	T	
⚠ J8 ,9	1B		E03-0114-05	AC OUTLET	X	
		*	H50-0338-04	ITEM CARTON CASE		
-		*	H10-5310-02	POLYSTYRENE FOAMED FIXTURE		
-		*	H10-5311-02	POLYSTYRENE FOAMED FIXTURE		
-			H25-0232-04	PROTECTION BAG (235X350X0.03)	EMX	
-			H25-0304-04	PROTECTION BAG	EMX	
-			H25-0651-04	PROTECTION BAG (0232 PRINTED)	T	
-		*	H25-0656-04	PROTECTION BAG (0304 PRINTED)	T	
625	2C		J02-0366-15	FOOT REAR		
626	2C		J02-1040-05	FOOT FRONT		
627	1C		J12-0091-05	PIN		
⚠ 628	1C		J42-0083-05	POWER CORD BUSHING		
630	2B	*	K27-2081-04	KNOB SPEAKER ON/OFF,A/B		
631	2A		K29-2507-04	KNOB BALANCE		
632	2A	*	K29-4403-04	KNOB VOLUME CONTROL		
633	2A	*	K29-4404-04	KNOB INPUT SELECTOR		
634	2A	*	K29-4405-04	KNOB BASS,TREBLE		
⚠ 640	1B	*	L07-0520-15	POWER TRANSFORMER	E	
⚠ 640	1B	*	L07-0521-15	POWER TRANSFORMER	TX	
⚠ 640	1B	*	L07-0522-15	POWER TRANSFORMER	M	
B	1C		N09-2909-05	TAPTITE SCREW		
C	1B		N86-3008-45	BINDING HEAD TAPTITE SCREW		

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A-56/76

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D	1B,1C		N88-3008-45	FLAT HEAD TAPTITE SCREW		
E	1B,2B		N89-3006-46	BINDING HEAD TAPTITE SCREW		
F	1A,1C		N89-3008-45	BINDING HEAD TAPTITE SCREW		
G	1B,2C		N89-3008-46	BINDING HEAD TAPTITE SCREW		
H	1B		N89-4008-45	BINDING HEAD TAPTITE SCREW		
A-76 (SINGAPORE MADE)						
601	1A	*	A01-2946-01	METALLIC CABINET		
602	2A	*	A60-0308-22	PANEL ASSY		
605	1A	*	A70-0598-05	REMOTE CONTROLLER ASSY	MX	
605	1A	*	A70-0599-05	REMOTE CONTROLLER ASSY	ET	
606	1A		A09-0104-08	BATTERY COVER (A70-0599-05)	ET	
606	1A		A09-0106-08	BATTERY COVER (A70-0598-05)	MX	
609	2A	*	B01-0486-11	PANEL ESCUTCHEON		
610	2A	*	B10-1922-03	FRONT GLASS		
611	2A		B12-0201-04	INDICATOR		
613	2A	*	B19-1520-04	LIGHTING BOARD		
-			B46-0096-33	WARRANTY CARD	X	
-			B46-0122-23	WARRANTY CARD	E	
-			B46-0143-13	WARRANTY CARD	T	
-		*	B52-0505-00	CONNECTING DIAGRAM	ET	
-		*	B52-0515-00	CONNECTING DIAGRAM	MX	
-		*	B60-0862-00	INSTRUCTION MANUAL (ENGLISH)	ET	
-		*	B60-0863-00	INSTRUCTION MANUAL (FRENCH)	E	
-		*	B60-0864-00	INSTRUCTION MANUAL (DUTCH)	E	
-		*	B60-0865-00	INSTRUCTION MANUAL (SPANISH)	E	
-		*	B60-0866-00	INSTRUCTION MANUAL (CHINESE)	M	
-		*	B60-0969-00	INSTRUCTION MANUAL (GERMAN)	E	
-		*	B60-0970-00	INSTRUCTION MANUAL (ITALIAN)	E	
-		*	B60-0971-00	INSTRUCTION MANUAL (ENGLISH)	MX	
-		*	B60-0975-00	INSTRUCTION MANUAL (SPANISH)	M	
⚠ 616	1C		E30-2275-15	AC POWER CORD	X	
⚠ 616	1C		E30-2277-15	AC POWER CORD	EM	
⚠ 616	1C	*	E30-2601-15	AC POWER CORD	T	
⚠ J8 ,9	1B		E03-0114-05	AC OUTLET	X	
		*	H50-0340-14	ITEM CARTON CASE	ET	
		*	H50-0411-14	ITEM CARTON CASE	M	
		*	H50-0414-14	ITEM CARTON CASE	X	
-		*	H10-5354-02	POLYSTYRENE FOAMED FIXTURE		
-		*	H10-5355-02	POLYSTYRENE FOAMED FIXTURE		
-			H25-0232-04	PROTECTION BAG (235X350X0.03)	EMX	
-			H25-0304-04	PROTECTION BAG	EMX	
-			H25-0651-04	PROTECTION BAG (0232 PRINTED)	T	
-		*	H25-0656-04	PROTECTION BAG (0304 PRINTED)	T	
625	2C		J02-0366-15	FOOT		
626	2C		J02-1040-05	FOOT		
627	1C		J12-0091-05	PIN		
⚠ 628	1C		J42-0083-05	POWER CORD BUSHING		
630	2B	*	K27-2081-04	KNOB SPEAKER ON/OFF,A/B		
631	2A		K29-2507-04	KNOB BALANCE		
632	2A	*	K29-4403-04	KNOB VOLUME CONTROL		
633	2A	*	K29-4404-04	KNOB INPUT SELECTOR		
634	2A	*	K29-4405-04	KNOB BASS,TREBLE		
⚠ 640	2B	*	L07-0520-15	POWER TRANSFORMER	E	

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⚠ 640	2B	*	L07-0521-15	POWER TRANSFORMER	TX	
⚠ 640	2B	*	L07-0522-15	POWER TRANSFORMER	M	
B	1C		N09-2909-05	TAPTITE SCREW		
C	1B		N86-3008-45	BINDING HEAD TAPTITE SCREW		
D	1B,1C		N88-3008-45	FLAT HEAD TAPTITE SCREW		
E	1B,2B		N89-3006-46	BINDING HEAD TAPTITE SCREW		
F	1A,1C		N89-3008-45	BINDING HEAD TAPTITE SCREW		
G	1B,2C		N89-3008-46	BINDING HEAD TAPTITE SCREW		
H	1B		N89-4008-45	BINDING HEAD TAPTITE SCREW		
AUDIO UNIT (X09-363X-XX)						
C1 ,2			CC45FSL1H221J	CERAMIC 220PF J		
C3 ,4			CK45FF1H223Z	CERAMIC 0.022UF Z		
C5 ,6			CK45FB1H222K	CERAMIC 2200PF K		
C7 ,8			CE04KW1V100M	ELECTRO 10UF 35WV		J
C7 ,8		*	CE04LW1V100M	ELECTRO 10UF 35WV		S
C9 ,10			CC45FSL1H221J	CERAMIC 220PF J		
C11 ,12			CE04KW1A101M	ELECTRO 100UF 10WV		J
C11 ,12			CE04LW1A101M	ELECTRO 100UF 10WV		S
C13 ,14			CF92FV1H123J	MF 0.012UF J		
C15 ,16			CF92FV1H332J	MF 3300PF J		
C17 ,18			CE04KW1H010M	ELECTRO 1.0UF 50WV		J
C17 ,18		*	CE04LW1H010M	ELECTRO 1.0UF 50WV		S
C19 ,20			CE04KW1E470M	ELECTRO 47UF 25WV		J
C19 ,20			CE04LW1E470M	ELECTRO 47UF 25WV		S
C21 -26			C91-0749-05	CERAMIC 220PF K	ETX	
C27 ,28			CE04KW1V100M	ELECTRO 10UF 35WV		J
C27 ,28		*	CE04LW1V100M	ELECTRO 10UF 35WV		S
C29 ,30			CC45FSL1H101J	CERAMIC 100PF J		
C31 ,32			CE04KW1V100M	ELECTRO 10UF 35WV		J
C31 ,32		*	CE04LW1V100M	ELECTRO 10UF 35WV		S
C33 ,34			C91-0749-05	CERAMIC 220PF K	ETX	
C35 ,36			CC45FSL1H221J	CERAMIC 220PF J	ETX	
C37 ,38			CE04KW1V100M	ELECTRO 10UF 35WV		J
C37 ,38		*	CE04LW1V100M	ELECTRO 10UF 35WV		S
C39 ,40			CC45FSL1H101J	CERAMIC 100PF J		
C41 ,42			CE04KW1V100M	ELECTRO 10UF 35WV		J
C41 ,42		*	CE04LW1V100M	ELECTRO 10UF 35WV		S
C43 -48			CC45FSL1H221J	CERAMIC 220PF J	ETX	
C49 ,50			CE04KW1V100M	ELECTRO 10UF 35WV		J
C49 ,50		*	CE04LW1V100M	ELECTRO 10UF 35WV		S
C51 ,52			CK45FB1H561K	CERAMIC 560PF K		
C53 ,54			CE04KW1V100M	ELECTRO 10UF 35WV		J
C53 ,54		*	CE04LW1V100M	ELECTRO 10UF 35WV		S
C55 ,56			CF92FV1H124J	MF 0.12UF J		
C57 ,58			CE04KW1H010M	ELECTRO 1.0UF 50WV	ETX	J
C57 ,58			CE04KW1V4R7M	ELECTRO 4.7UF 35WV	M	J
C57 ,58		*	CE04LW1H010M	ELECTRO 1.0UF 50WV	ETX	S
C57 ,58			CE04LW1V4R7M	ELECTRO 4.7UF 35WV	M	S
C59 ,60			CF92FV1H104J	MF 0.10UF J	M	
C59 ,60			CF92FV1H334J	MF 0.33UF J	ETX	
C61 ,62			CE04KW1E470M	ELECTRO 47UF 25WV		J
C61 ,62			CE04LW1E470M	ELECTRO 47UF 25WV		S
C63 ,64			CK45FF1H103Z	CERAMIC 0.010UF Z		
C65 ,66			CK45FB1H222K	CERAMIC 2200PF K		

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PARTS LIST

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Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Destination 仕向	Remarks 備考
C67 -70			CF92FV1H104J	MF 0.10UF J		
C71 ,72			C90-1942-05	ELECTRO 6800UF 63WV		7
C71 ,72		*	C90-1943-15	ELECTRO 5600UF 55WV		5
C73 -76			CF92FV1H682J	MF 6800PF J		
C77 ,78			CC45FSL1H221J	CERAMIC 220PF J		
C79			CE04KW1A101M	ELECTRO 100UF 10WV		J
C79			CE04LW1A101M	ELECTRO 100UF 10WV		S
C81			CE04KW1H010M	ELECTRO 1.0UF 50WV		J
C81		*	CE04LW1H010M	ELECTRO 1.0UF 50WV		S
C82			CE04KW1V100M	ELECTRO 10UF 35WV		J
C82		*	CE04LW1V100M	ELECTRO 10UF 35WV		S
C102			CK45FB1H102K	CERAMIC 1000PF K		
C103			CK45FB1H222K	CERAMIC 2200PF K		
C104			CK45FB1H102K	CERAMIC 1000PF K		
C105			CK45FB1H222K	CERAMIC 2200PF K		
C106,107			CK45FB1H102K	CERAMIC 1000PF K		
C110			CE04KW1C102M	ELECTRO 1000UF 16WV		J
C110			CE04LW1C102M	ELECTRO 1000UF 16WV		S
C111,112			CF92FV1H124J	MF 0.12UF J		
C113			CE04KW1A101M	ELECTRO 100UF 10WV		J
C113			CE04LW1A101M	ELECTRO 100UF 10WV		S
C114			CF92FV1H124J	MF 0.12UF J		
C115			CE04KW1V102M	ELECTRO 1000UF 35WV		J
C115			CE04LW1V102M	ELECTRO 1000UF 35WV		S
C116			CE04KW1C101M	ELECTRO 100UF 16WV		J
C116			CE04LW1C101M	ELECTRO 100UF 16WV		S
C117,118			CF92FV1H124J	MF 0.12UF J		
C119			CE04KW1V102M	ELECTRO 1000UF 35WV		J
C119			CE04LW1V102M	ELECTRO 1000UF 35WV		S
C120			CE04KW1C101M	ELECTRO 100UF 16WV		J
C120			CE04LW1C101M	ELECTRO 100UF 16WV		S
C121			CF92FV1H124J	MF 0.12UF J		
C122,123			CK45FE2H103P	CERAMIC 0.010UF P		
C124			CE04KW1A101M	ELECTRO 100UF 10WV		J
C124			CE04LW1A101M	ELECTRO 100UF 10WV		S
C125			CE04KW1J100M	ELECTRO 10UF 63WV		J
C125			CE04LW1J100M	ELECTRO 10UF 63WV		S
C126-128			CK45FF1H223Z	CERAMIC 0.022UF Z		
C129			CE04KW1V100M	ELECTRO 10UF 35WV		J
C129		*	CE04LW1V100M	ELECTRO 10UF 35WV		S
C130			CK45FF1H223Z	CERAMIC 0.022UF Z		
C131			CE04KW1C101M	ELECTRO 100UF 16WV		J
C131			CE04LW1C101M	ELECTRO 100UF 16WV		S
C132,133			CE04KW1E470M	ELECTRO 47UF 25WV		J
C132,133			CE04LW1E470M	ELECTRO 47UF 25WV		S
C134-137			CK45FF1H103Z	CERAMIC 0.010UF Z		
J1			E13-0249-05	PHONO JACK PHONO		
J2			E13-0633-05	PHONO JACK CD,TUNER,TAPE REC		
J3			E13-0445-05	PHONO JACK TAPE PLAY,ADAPT OUT		
J4			E13-0633-05	PHONO JACK ADAPTER IN,AUX		
J5			E20-0823-05	LOCK TERMINAL BOARD SPEAKERS		
J6			E13-0317-05	PHONO JACK REAR I/O,S WOOFER		
J7			E11-0208-05	PHONE JACK PHONES		

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645	1C		F20-1284-05	INSULATING BOARD		7
645	1C		F20-1297-05	INSULATING SHEET		5
⚠ F1 ,2			F06-1022-05	FUSE (SEMKO) (250V T1A)		
⚠ F3 ,4			F05-2525-05	FUSE (SEMKO) (250V T2.5A)	5	
⚠ F3 ,4			F05-4025-05	FUSE (SEMKO) (250V T4A)	7	
⚠ F5			F05-1623-05	FUSE (SEMKO) (250V T1.6A)		
-			J11-0098-05	WIRE CLAMPER		
CN1 -10			J13-0075-05	FUSE CLIP		
L1 ,2			L39-0085-05	PHASE COMPENSATION COIL		
A	2C		N09-0333-05	TAPPING SCREW (3X12)		
G	1C,2C		N89-3008-46	BINDING HEAD TAPTITE SCREW		
CP1 ,2			R90-0187-05	MULTI-COMP 0.22X2 K 5W		J
CP1 ,2			R90-0826-05	MULTI-COMP 0.22X2 J 5W		
R17 ,18			RS14KB3A101J	FL-PROOF RS 100 J 1W		
R79 ,80			RS14KB3A101J	FL-PROOF RS 100 J 1W		
R97 -100			RD14NB2E4R7J	RD 4.7 J 1/4W		
R105,106			RS14KB3D100J	FL-PROOF RS 10 J 2W		
R107,108			RD14NB2E100J	RD 10 J 1/4W		
R115,116			RS14KB3D331J	FL-PROOF RS 330 J 2W		
R163			RS14KB3D470J	FL-PROOF RS 47 J 2W		
R171			RS14KB3D181J	FL-PROOF RS 180 J 2W		
K1 ,2			S51-2078-05	MAGNETIC RELAY		
K1 ,2			S76-0005-05	MAGNETIC RELAY		
D1 -6			HSS104	DIODE		
D1 -6			1SS133	DIODE		5
D31 -34			HSS104	DIODE		5
D31 -34			1SS133	DIODE		7
D31 ,32			HSS104	DIODE		
D31 ,32			1SS133	DIODE		7
D35 -42			S5688B	DIODE		
D35 -42			1SR139-100	DIODE		
D44 ,45			HSS104	DIODE		
D44 ,45			1SS133	DIODE		
D46			D5SBA20F03	DIODE		
D46			RBV-602LFA	DIODE		
D47			HSS104	DIODE		
D47			1SS133	DIODE		
D48			HZS4.7N(B2)	ZENER DIODE		
D48			RD4.7ES(B2)	ZENER DIODE		
D49 -54			HSS104	DIODE		
D49 -54			1SS133	DIODE		
IC1			BA15218-DX	IC(OP AMP X2)		
IC1			NJM4565D-D	IC(OP AMP X2)		
IC1		*	XRA15218-DX	IC(OP AMP X2)		
IC2			NJM2058D	IC(OP AMP X4)		
IC2			UPC4574C	IC(OP AMP X4)		
IC3			BA15218-DX	IC(OP AMP X2)		
IC3			NJM4565D-D	IC(OP AMP X2)		
IC3		*	XRA15218-DX	IC(OP AMP X2)		
IC4			NJU7313L	IC(ANALOG SWITCH)		
IC4			TC9164N	IC(16CH BILATERAL SELECTOR SW)		
IC5			BA15218-DX	IC(OP AMP X2)		

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IC5			NJM4565D-D	IC(OP AMP X2)		
IC5		*	XRA15218-DX	IC(OP AMP X2)		
IC6			NJU7311L	IC(ANALOG SWITCH)		
IC6			TC9162N	IC(ANALOG SWITCH ARRAY)		
IC7			TA7805S	IC(VOLTAGE REGULATOR/ +5V)		
IC7			UPC7805AHF	IC(VOLTAGE REGULATOR/ +5V)		
IC8			TA7815S	IC(VOLTAGE REGULATOR/ +15V)		
IC8			UPC7815AHF	IC(VOLTAGE REGULATOR/+15V)		
IC9			TA79015S	IC(VOLTAGE REGULATOR/ -15V)		
IC9			UPC7915HF	IC(VOLTAGE REGULATOR/ -15V)		
Q1 ,2			2SC1845(F,E)	TRANSISTOR		
Q3 ,4			2SC2878(A,B)	TRANSISTOR		
Q5 ,6			2SC4137(V,W)	TRANSISTOR		
Q7 ,8			2SC1845(F,E)	TRANSISTOR		
Q9 ,10			2SD2254	TRANSISTOR		7
Q9 ,10			2SD2340	TRANSISTOR		5
Q11 ,12			2SB1492	TRANSISTOR		7
Q11 ,12			2SB1531	TRANSISTOR		5
Q31			2SC2003(L,K)	TRANSISTOR		
Q33			2SC2878(A,B)	TRANSISTOR		
Q34 -37			2SC2003(L,K)	TRANSISTOR		
Q38			2SA1175(F,E)	TRANSISTOR		
Q38			2SA933S(Q,R)	TRANSISTOR		
CONTROL UNIT (X11-3300-XX); A-56 ONLY						
D8			B30-1291-05	LED(LN21CPSLX(V)-(TA4))		
D13 -22			B30-1291-05	LED(LN21CPSLX(V)-(TA4))		
C1			CK45FF1H103Z	CERAMIC 0.010UF Z		
C2			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C3			CE04LW1H220M	ELECTRO 22UF 50WV		
C4 -7		*	CE04LW1H010M	ELECTRO 1.0UF 50WV		
C11			CE04LW0J471M	ELECTRO 470UF 6.3WV		
C12			CE04HW1E100M	NP-ELEC 10UF 25WV		
C13			CK45FF1H103Z	CERAMIC 0.010UF Z		
C14			CE04LW1E470M	ELECTRO 47UF 25WV		
C15			CK45FF1H103Z	CERAMIC 0.010UF Z		
C16		*	CE04LW1V100M	ELECTRO 10UF 35WV		
C17 ,18			CE04LW1E470M	ELECTRO 47UF 25WV		
C23 ,24			CF92FV1H473J	MF 0.047UF J	M	
C25 -28		*	CE04LW1V100M	ELECTRO 10UF 35WV		
C31 ,32			CE04LW1E470M	ELECTRO 47UF 25WV		
C33 ,34		*	C90-3241-05	ELECTRO 3.3UF 35WV		
C35 ,36			CC45FSL1H221J	CERAMIC 220PF J		
C37 -40			CK45FB1H561K	CERAMIC 560PF K		
C41 ,42			CF92FV1H683J	MF 0.068UF J		
C43 ,44			C90-3244-05	ELECTRO 10UF 35WV		
C45 ,46			CF92FV1H103J	MF 0.010UF J		
C47 ,48		*	C90-3232-05	ELECTRO 4.7UF 25WV		
C50			CK45FF1H103Z	CERAMIC 0.010UF Z		
⚠ C51 ,52			C91-1439-05	FILM 0.01UF 250VAC	ETX	
⚠ C53 ,54			C91-1439-05	FILM 0.01UF 250VAC	M	
C55 ,56			CC45FSL1H221J	CERAMIC 220PF J		
C57			CE04HW1E100M	NP-ELEC 10UF 25WV		
C58			CK45FF1H103Z	CERAMIC 0.010UF Z		
C61			CE04HW1E100M	NP-ELEC 10UF 25WV	M	

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C63 ,64			CF92FV1H272J	MF 2700PF J		
⚠ J5 ,6			E03-0108-05	AC OUTLET	E	
⚠ J5 ,6			E03-0109-05	AC OUTLET	T	
⚠ J8 ,9			E03-0108-05	AC OUTLET	M	
J10			E08-0312-05	RECTANGULAR RECEPTACLE SYNCRO		
J11			E08-0414-05	RECTANGULAR RECEPTACLE TUNER		
J12			E08-0411-05	RECTANGULAR RECEPTACLE DECK		
J13			E08-0415-05	RECTANGULAR RECEPTACLE CD		
⚠ F6			F05-2525-05	FUSE (SEMKO) (250V T2.5A)	ETX	
⚠ F7			F06-1022-05	FUSE (SEMKO) (250V T1A)	ETX	
⚠ F9			F05-2525-05	FUSE (SEMKO) (250V T2.5A)	M	
⚠ F10 -12			F06-1022-05	FUSE (SEMKO) (250V T1A)	M	
⚠ F12			F06-1022-05	FUSE (SEMKO) (250V T1A)	ETX	
⚠ F13			F05-2525-05	FUSE (SEMKO) (250V T2.5A)		
-			J11-0098-05	WIRE CLAMPER		
CN10-15			J13-0075-05	FUSE CLIP	ETX	
CN14-23			J13-0075-05	FUSE CLIP	M	
CN22,23			J13-0075-05	FUSE CLIP	ETX	
⚠ T1		*	L07-0559-05	POWER TRANSFORMER	ETX	
⚠ T2		*	L07-0561-05	POWER TRANSFORMER	M	
X1			L78-0267-05	RESONATOR 4.194MHz		
CP1			R90-0493-05	MULTI-COMP 100KX9 J 1/6W		
R48			RS14KB3A222J	FL-PROOF RS 2.2K J 1W		
R61 -63			RD14NB2E101J	RD 100 J 1/4W		
R81 ,82			RD14NB2E101J	RD 100 J 1/4W		
VR1		*	R29-5072-15	VARIABLE RESISTRO(100K) VOLUME		
VR2		*	R01-5086-05	POTENTIOMETER(200K) BALANCE		
VR3 ,4		*	R10-5058-05	POTENTIOMETER(100K) BASS,TREBL		
⚠ K1			S76-0002-05	MAGNETIC RELAY	ETX	
⚠ K2			S76-0002-05	MAGNETIC RELAY	M	
S2 -5			S40-1064-05	PUSH SWITCH KEY BOARD		
S6 ,7			S40-2366-05	PUSH SWITCH SP CONTROL		
⚠ S8			S62-0001-05	SLIDE SWITCH VOLTAGE SELECTOR	M	
⚠ S9			S31-2322-05	SLIDE SWITCH VOLTAGE SELECTOR	M	
S1			T99-0509-05	SPEED DETECTOR INPUT SELECTOR		
D2 -7			HSS104	DIODE		
D2 -7			1SS133	DIODE		
D9			HZS5.1N(B2)	ZENER DIODE		
D9			RD5.1ES(B2)	ZENER DIODE		
D10			HSS104A	DIODE		
D10			1SS131	DIODE		
D11			HZS4.7N(B2)	ZENER DIODE		
D11			RD4.7ES(B2)	ZENER DIODE		
D12			HSS104	DIODE		
D12			1SS133	DIODE		
D23			HSS104A	DIODE	ETX	
D23			1SS131	DIODE	ETX	
D24			HSS104A	DIODE	M	
D24			1SS131	DIODE	M	
D25			HSS104	DIODE		

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D25			1SS133	DIODE		
IC1		*	UPD75004CU-147	IC(MICROPROCESSOR)		
IC2			PST529D	IC(SYSTEM RESET)		
IC3 ,4			NJM4565L-D	IC(OP AMP X2))		
IC5			TA8409S	IC(MOTOR CONTROL)		
Q1 ,2			2SC1740S(Q,R)	TRANSISTOR		
Q1 ,2			2SC2785(F,E)	TRANSISTOR		
Q3			2SA1175(F,E)	TRANSISTOR		
Q3			2SA933S(Q,R)	TRANSISTOR		
Q5 ,6			2SC1845(F,E)	TRANSISTOR		
Q7			2SA1175(F,E)	TRANSISTOR	M	
Q7			2SA933S(Q,R)	TRANSISTOR	M	
Q9 ,10			2SC2878(A,B)	TRANSISTOR	M	
A1			W02-1046-05	ELECTRIC CIRCUIT MODULE		
CONTROL UNIT (X11-33XX-XX); A-76 ONLY						
D8			B30-1291-05	LED(LN21CPSLX(V)-(TA4))		
C1			C91-0769-05	CERAMIC 0.01UF K		
C2			C90-3253-05	ELECTRO 1UF 50WV		
C3			CE04KW1H220M	ELECTRO 22UF 50WV		J
C3			CE04LW1H220M	ELECTRO 22UF 50WV		S
C4 -7			CE04KW1H010M	ELECTRO 1.0UF 50WV		J
C4 -7		*	CE04LW1H010M	ELECTRO 1.0UF 50WV		S
C8			C90-3225-05	ELECTRO 10UF 16WV		
C9 ,10			CE04KW1H100M	ELECTRO 10UF 50WV		J
C9 ,10			CE04LW1H100M	ELECTRO 10UF 50WV		S
C11			CE04KW0J471M	ELECTRO 470UF 6.3WV		J
C11			CE04LW0J471M	ELECTRO 470UF 6.3WV		S
C12			CE04HW1E100M	NP-ELEC 10UF 25WV		
C13			CK45FF1H103Z	CERAMIC 0.010UF Z		
C14			CE04KW1E470M	ELECTRO 47UF 25WV		J
C14			CE04LW1E470M	ELECTRO 47UF 25WV		S
C15			CK45FF1H103Z	CERAMIC 0.010UF Z		
C16			CE04KW1V100M	ELECTRO 10UF 35WV		J
C16		*	CE04LW1V100M	ELECTRO 10UF 35WV		S
C17 ,18			CE04KW1E470M	ELECTRO 47UF 25WV		J
C17 ,18			CE04LW1E470M	ELECTRO 47UF 25WV		S
C19			CE04KW1H331M	ELECTRO 330UF 50WV		J
C19			CE04LW1H331M	ELECTRO 330UF 50WV		S
C20			CE04KW1H100M	ELECTRO 10UF 50WV		J
C20			CE04LW1H100M	ELECTRO 10UF 50WV		S
C23 ,24			CF92FV1H473J	MF 0.047UF J		
C25 -28			CE04KW1V100M	ELECTRO 10UF 35WV		J
C25 -28		*	CE04LW1V100M	ELECTRO 10UF 35WV		S
C31 ,32			CE04KW1E470M	ELECTRO 47UF 25WV		J
C31 ,32			CE04LW1E470M	ELECTRO 47UF 25WV		S
C33 ,34		*	C90-3241-05	ELECTRO 3.3UF 35WV		
C35 ,36			CC45FSL1H221J	CERAMIC 220PF J		
C37 -40			CK45FB1H561K	CERAMIC 560PF K		
C41 ,42			CF92FV1H683J	MF 0.068UF J		
C43 ,44			C90-3244-05	ELECTRO 10UF 35WV		
C45 ,46			CF92FV1H103J	MF 0.010UF J		
C47 ,48		*	C90-3232-05	ELECTRO 4.7UF 25WV		
C50			CK45FF1H103Z	CERAMIC 0.010UF Z		

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⚠ C51 ,52			C91-1439-05	FILM 0.01UF 250VAC	ETX	
⚠ C53 ,54			C91-1439-05	FILM 0.01UF 250VAC	M	
C55 ,56			CC45FSL1H221J	CERAMIC 220PF J		
C57			CE04HW1E100M	NP-ELEC 10UF 25WV		
C58			CK45FF1H103Z	CERAMIC 0.010UF Z		
C61			CE04HW1E100M	NP-ELEC 10UF 25WV		
C63 ,64			CF92FV1H272J	MF 2700PF J		
⚠ J5 ,6			E03-0108-05	AC OUTLET	E	
⚠ J5 ,6			E03-0109-05	AC OUTLET	T	
⚠ J8 ,9			E03-0108-05	AC OUTLET	M	
J10			E08-0312-05	RECTANGULAR RECEPTACLE SYNCRO		
J11			E08-0414-05	RECTANGULAR RECEPTACLE TUNER		
J12			E08-0411-05	RECTANGULAR RECEPTACLE DECK		
J13			E08-0415-05	RECTANGULAR RECEPTACLE CD		
⚠ F6			F05-2525-05	FUSE (SEMKO) (250V T2.5A)	ETX	
⚠ F7			F05-1623-05	FUSE (SEMKO) (250V T1.6A)	ETX	
⚠ F9			F05-2525-05	FUSE (SEMKO) (250V T2.5A)	M	
⚠ F10 ,11			F05-1623-05	FUSE (SEMKO) (250V T1.6A)	M	
⚠ F12			F06-1022-05	FUSE (SEMKO) (250V T1A)		
⚠ F13			F05-2525-05	FUSE (SEMKO) (250V T2.5A)		
-			J11-0098-05	WIRE CLAMPER		
CN10-15			J13-0075-05	FUSE CLIP	ETX	
CN14-23			J13-0075-05	FUSE CLIP	M	
CN22,23			J13-0075-05	FUSE CLIP	ETX	
⚠ T1		*	L07-0555-05	POWER TRANSFORMER	ETX	
⚠ T2		*	L07-0557-05	POWER TRANSFORMER	M	
X1			L78-0267-05	RESONATOR 4.194MHz		
CP1			R90-0850-05	MULTI-COMP 100KX3 J 1/6W		
CP2			R90-0855-05	MULTI-COMP 100KX5 J		
R44			RD14NB2E472J	RD 4.7K J 1/4W		
R46 ,47			RD14NB2E470J	RD 47 J 1/4W		
R48			RS14KB3A472J	FL-PROOF RS 4.7K J 1W		
R55 ,56			RD14NB2E2R2J	RD 2.2 J 1/4W		
R58			RD14NB2E331J	RD 330 J 1/4W		
R61 -63			RD14NB2E101J	RD 100 J 1/4W		
R66			RS14KB3A472J	FL-PROOF RS 4.7K J 1W		
R81 ,82			RD14NB2E101J	RD 100 J 1/4W		
VR1		*	R29-5072-15	VARIABLE RESISTRO(100K) VOLUME		
VR2		*	R01-5086-05	POTENTIOMETER(200K) BALANCE		
VR3 ,4		*	R10-5058-05	POTENTIOMETER(100K) BASS,TREBL		
⚠ K1			S76-0002-05	MAGNETIC RELAY	ETX	
⚠ K2			S76-0002-05	MAGNETIC RELAY	M	
S2 -5			S40-1064-05	PUSH SWITCH KEY BOARD		
S6 ,7			S40-2366-05	PUSH SWITCH SP CONTROL		
⚠ S8			S62-0001-05	SLIDE SWITCH VOLTAGE SELECTOR	M	
⚠ S9			S31-2322-05	SLIDE SWITCH VOLTAGE SELECTOR	M	
S1			T99-0509-05	SPEED DETECTOR INPUT SELECTOR		
D1 -7			HSS104	DIODE		
D1 -7			1SS133	DIODE		
D9			HZS5.1N(B2)	ZENER DIODE		
D9			RD5.1ES(B2)	ZENER DIODE		

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⚠ indicates safety critical components.

A-56/76

PARTS LIST

* New Parts
Parts without Parts No. are not supplied.
Les articles non mentionnes dans le Parts No. ne sont pas fournis.
Teile ohne Parts No. werden nicht geliefert.

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Destination 仕向	Remarks 備考
D10			HSS104A	DIODE		
D10			1SS131	DIODE		
D11			HZS4.7N(B2)	ZENER DIODE		
D11			RD4.7ES(B2)	ZENER DIODE		
D12			HSS104	DIODE		
D12			1SS133	DIODE		
D13			S5688B	DIODE		
D14			HSS104A	DIODE		
D14			1SS131	DIODE		
D15			HZS5.1N(B2)	ZENER DIODE		
D15			RD5.1ES(B2)	ZENER DIODE		
D16			HZS4.7N(B2)	ZENER DIODE		
D16			RD4.7ES(B2)	ZENER DIODE		
D17			HZS16N(B2)	ZENER DIODE		
D17			RD16ES(B2)	ZENER DIODE		
D18			HZS13N(B2)	ZENER DIODE		
D18			RD13ES(B2)	ZENER DIODE		
D23			HSS104A	DIODE	ETX	
D23			1SS131	DIODE	ETX	
D24			HSS104A	DIODE	M	
D24			1SS131	DIODE	M	
D25			HSS104	DIODE	M	
D25			1SS133	DIODE	M	
ED1		*	CM1154C	INDICATOR TUBE		
IC1		*	UPD75268CW-044	IC(4BIT MICROPROCESSOR)		
IC2			PST529D	IC(SYSTEM RESET)		
IC3 ,4			NJM4565L-D	IC(OP AMP X2))		
IC5			TA8409S	IC(MOTOR CONTROL)		
Q1			2SA954(L,K)	TRANSISTOR		
Q3			2SA1048(Y,GR)	TRANSISTOR		J
Q3			2SA1175(F,E)	TRANSISTOR		S
Q3			2SA1309A(Q,R)	TRANSISTOR		J
Q3			2SA933S(Q,R)	TRANSISTOR		S
Q5 ,6			2SC1845(F,E)	TRANSISTOR		
Q7			2SA1048(Y,GR)	TRANSISTOR		J
Q7			2SA1175(F,E)	TRANSISTOR		S
Q7			2SA1309A(Q,R)	TRANSISTOR		J
Q7			2SA933S(Q,R)	TRANSISTOR		S
Q9 ,10			2SC2878(A,B)	TRANSISTOR		
A1			W02-1046-05	ELECTRIC CIRCUIT MODULE		

MAIN AMPLIFIER UNIT (X85-12XX-XX)

C1 ,2			CE04KW1H010M	ELECTRO	1.0UF	50WV		J
C1 ,2			CE04LW1H010M	ELECTRO	1.0UF	50WV		S
C3 ,4			CK45FB1H471K	CERAMIC	470PF	K		
C5 ,6		*	C90-1844-05	ELECTRO	47UF	6.3WV		
C7 ,8			CC45FSL1H121J	CERAMIC	120PF	J		
C9 ,10			CC45FSL1H020C	CERAMIC	2.0PF	C		
C11 ,12			CC45FSL1H221J	CERAMIC	220PF	J		
C13 ,14			CC45FSL1H390J	CERAMIC	39PF	J		
C15 ,16			CC45FSL1H221J	CERAMIC	220PF	J		
C17 ,18			CE04KW1H470M	ELECTRO	47UF	50WV		J
C17 ,18			CE04LW1H470M	ELECTRO	47UF	50WV		S
C19			CE04HW1A470M	NP-ELEC	47UF	10WV		
C20			CE04KW1V4R7M	ELECTRO	4.7UF	35WV		J

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C20			CE04LW1V4R7M	ELECTRO 4.7UF 35WV		S
R5 ,6			RN14BK2C2151F	RN 2.15K F 1/6W	ETX	7
R5 ,6			RN14BK2C2371F	RN 2.37K F 1/6W	M	7
R5 ,6			RN14BK2C2611F	RN 2.61K F 1/6W	ETX	5
R5 ,6		*	RN14BK2C2871F	RN 2.87K F 1/6W	M	5
R15 ,16			RD14GB2E271J	FL-PROOF RD 270 J 1/4W		
R21 -24			RD14GB2E221J	FL-PROOF RD 220 J 1/4W		
R25 ,26			RD14GB2E470J	FL-PROOF RD 47 J 1/4W		
D1 ,2			HSS104	DIODE		
D1 ,2			1SS133	DIODE		
D3			HSS104A	DIODE		
D3			1SS131	DIODE		
Q1 -4			2SA992(F,E)	TRANSISTOR		
Q5 -8			2SC1845(F,E)	TRANSISTOR		
Q9 ,10			2SA992(F,E)	TRANSISTOR		
Q11			2SC1740S(Q,R)	TRANSISTOR		S
Q11			2SC2458(Y,GR)	TRANSISTOR		J
Q11			2SC2785(F,E)	TRANSISTOR		S
Q11			2SC3311A(Q,R)	TRANSISTOR		J
Q12			DTC124ES	DIGITAL TRANSISTOR		
Q12			UN4212	TRANSISTOR		

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5: A-56 J: Japan made
7: A-76 S: Singapore made

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A-56/76

SPECIFICATIONS

A-56

Rated power output
(IEC/NF) from 63Hz to 12,500 Hz, 0.7% T.H.D., at 8Ω ..... 45W + 45W
(DIN) 1,000Hz at 8Ω ..... 45W + 45W

Total harmonic distortion (1kHz, 8Ω) .....0.02% at 20W
Signal to noise ratio (IHF-A)
PHONO (MM) .....73dB for 2.5mV input
CD, TAPE .....97dB for 200mV input
Input sensitivity/impedance
PHONO (MM) 2.5 mV/47kΩ
CD, TAPE 200mV/47kΩ
Tone controls
BASS .....±10dB (at 100Hz)
TREBLE .....±10dB (at 10kHz)

General
Power consumption..... 140W
Dimensions .....**W** : 360mm
H : 119mm
D : 383mm
Weight (net) 6.7kg
AC outlets (switched) .....2 (Total 200W max)

A-76

Rated power output
(IEC/NF) from 63 Hz to 12,500Hz, 0.7% T.H.D. at 8Ω ..... 60W + 60W
(DIN) 1,000Hz at 8Ω ..... 60W + 60W

Total harmonic distortion (1kHz, 8Ω).....0.02% at 25W
Frequency response
CD ..... 20Hz~50kHz, +0dB, -3dB
Signal to noise ratio (IHF-A)
PHONO (MM) .....73dB for 2.5mV input
CD, TAPE .....97dB for 200mV input
Signal to noise ratio (DIN weighted at 50mW output)
PHONO (MM) 60dB
CD, TAPE 62dB
Input sensitivity/impedance
PHONO (MM) 2.5mV/47kΩ
CD, TAPE 200mV/47kΩ
Tone controls
BASS .....±10dB (at 100Hz)
TREBLE .....±10dB (at 10kHz)
General
Power consumption..... 160W
Dimensions .....**W** : 360 mm
H : 119 mm
D : 383 mm
Weight (net) 7.6kg
AC outlets (switched) .....2 (Total 200W max)

Note:
KENWOOD follows a policy of continuous advancements in development. For this reason specifications may be changed without notice.

Note:

Component and circuitry are subject to modification to insure best operation under differing local conditions. This manual is based on the U.S.A. (K) standard, and provides information on regional circuit modification through use of alternate schematic diagrams, and information on regional component variations through use of parts list.

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